

Exams 2024

A114 - 10 - 14 10	And an included the property of the property o
(A) Choose the correct answer:	
1. The roots of kapok tree don't gr	ow deeply in the soil, because
a. the soil contains less water.	b, the soil contains more water.
c. the climate is very cold.	d. the climate is very hot.
The system responsible for move touching a hot cup of tea, is the	ring your hand away from danger, such assystem.
a. digestive b. respiratory	c. nervous d. stomach
except	vinter are characterized by each of the following,
	b. moving better through cold water.
	d. having low-pitched sounds.
4. When you move something tow	
a. pushing force. b. light energy	c. pulling force. d. sound energy.
(B) Give a reason for the following	ig:
Seatbelts in cars are very impo	rtant.
(A) Dut (A) or (V)	COMMUNICATION CO.
(A) Put (V) or (X):	emach with the help of caliva
Digestion process begins in sto	
abilities are called super senso	ties that humans do not have, and these extra
3. Cats have excellent night visio	
4. The bus that covers 60 kilome	ters in 1 hour has a speed = 60 m/sec. ()
(B) What happens to?	
The kinetic energy of a moving	g car if its speed increases.
(A) Write the scientific term of e	each of the following:
1. The part of the kapok tree whi	ch is supported by the buttress roots.
Activities and the second seco	(
2. It delivers messages between	the spinal cord and different body
organe	
organs.	(

		(
(B) Find the speed of a runner, if you ki in 30 seconds.	now that he cover	
Model E	xam 2	annumbungkeber 3 susuu
(A) Complete the following sentences:		
1. Engineers use to slow down	the motion of the S	Shockwave truck.
2. The speed affects the energy		
3. In the electric bell, energy ch	anges into	. energy.
4. Most animals can hunt when end	energy bounces of	off a prey into their eyes
(B) Give a reason for the following:		
When your friend catches a ball that i the ball is stopped.		
(A) Correct the underlined words :		
 Exhausts from factories and floods pr 	confidence of the continue of	
	roduce smog, that	causes air pollution. (
2. The energy that is produced due to the	ne friction between	(the string and other
The energy that is produced due to the parts of Newton's cradle, is the sound.	ne friction between	(the string and other (
그러나 그 이번에 있는 아이가 주면을 구나갔다면 싶다 싫어 하게 되었는 것 없었다고 있는데 가능하고 있다면 가능하다.	ne friction between d energy.	(
parts of Newton's cradle, is the sound	ne friction between d energy. f jerboa.	(the string and other ((
parts of Newton's cradle, is the sound 3. Hearing is one of the weak senses of 4. The friction between the car's window	ne friction between d energy. f jerboa. vs and the road de	(the string and other ((
parts of Newton's cradle, is the sound 3. Hearing is one of the weak senses of 4. The friction between the car's window the car. (B) Classify the following materials into	ne friction between d energy. f jerboa. vs and the road de	the string and other ((creases the speed of (nd transparent objects
parts of Newton's cradle, is the sound 3. Hearing is one of the weak senses of 4. The friction between the car's window the car. (B) Classify the following materials into	ne friction between denergy. If jerboa. It is and the road decompany of the company of the com	the string and other ((creases the speed of (nd transparent objects
parts of Newton's cradle, is the sound 3. Hearing is one of the weak senses of 4. The friction between the car's window the car. (B) Classify the following materials into "Wood – Air – War	ne friction between denergy. If jerboa. It is and the road decompany of the company of the com	the string and other ((creases the speed of (nd transparent objects
parts of Newton's cradle, is the sound 3. Hearing is one of the weak senses of 4. The friction between the car's window the car. (B) Classify the following materials into "Wood – Air – War	ne friction between denergy. If jerboa. It is and the road decompany of the company of the com	the string and other ((creases the speed of (nd transparent objects
parts of Newton's cradle, is the sound 3. Hearing is one of the weak senses of 4. The friction between the car's window the car. (B) Classify the following materials into "Wood – Air – War	ne friction between denergy. If jerboa. It is and the road decompany of the company of the com	(the string and other ((creases the speed of (

(A) Write the scio	entific term of eac	h of the following :	
1. A group of anti-		ible for sending smelly mess	ages when there
2. It is the force the	hat pulls objects to	ward the center of the Earth	. (
3. A structure tha	t prevents the loss	of water in the pine tree.	(
4. The organ use	d to differentiate b	etween different scents.	(sets)
(B) A truck trave	ls a distance of 16	0 kilometers in 2 hours. Find	lits speed.
	Mode	Exam 3	· · · · · · · · · · · · · · · · · · ·
(A) Choose the c	CARAGONA A		
		describes the friction force	?
a. It pulls object	cts toward the grou	ınd.	
b. It pushes ob	jects away from th	ne ground.	
c. It slows dow	n or stops the mov	ving objects.	
d. It doesn't aff	fect the moving ob	jects.	
2. In penguin's bo	ody, the insulating	layer of fat and dense feathe	rs protect its body
a. cold air.	b. cold water.	c. warm water. d. warm	n air.
3. The energy that	at is stored in an ol	bject due to its position, is kn	own as
a. kinetic energ	gy.	b. potential energy.	
c. electrical en	ergy.	d. chemical energy.	
When you see away from it.	a car coming towa	ard you, the sensory receptor	rs to get
a, in the ears s	end a signal to the	brain first	
b. in the eyes s	send a signal to the	e brain first	
c. in the eyes s	end a signal to se	nsory receptors in the ears	
d, in the ears s	end a signal to ser	nsory receptors in the eyes	
(B) Give a reason	for the following		
Mirror can refl	ect the light better	than a painted surface.	
			-1.

Organisms live in deserts	Organisms live in forest	ts
large muscle that contracts during b it.	그 아이들은 이 이 프라이트 이번 하다면 되는 것이 없는 사람들이 되었다. 그렇게 되었다면 없다고 있다.	eathing
e light falls on it.	(
llision.	(
rite the scientific term of each of t	the following :	
nd the speed of a car that moves a	distance of 240 Kilometers in 3	hours.
the height of an object from the Ear ergy increases.	rth's surface increases, its potenti	al (
m eating them.		(
he force.	ion of some plants to prevent anim	(mals
	on a flat surface is equal to the k the same force down a ramp.	metic (
	ergy of another toy car pushed with a main difference between pulling a he force. arp spines are examples of adaptate in eating them. the height of an object from the Early increases. Ind the speed of a car that moves a commation from the surroundings and a lission. Type of surface that reflects light in car light falls on it. It large muscle that contracts during but. It lassify the following living organisms live in deserts and organisms and a light falls of the light falls of the light falls or it. It lassify the following living organisms arganisms live in deserts and organisms and a light falls or it. It lassify the following living organisms arganisms live in deserts and organisms arganisms live in deserts and organisms and a light falls or it.	ergy of another toy car pushed with the same force down a ramp. It main difference between pulling and pushing forces is the direction the force. The points are examples of adaptation of some plants to prevent animal eating them. The height of an object from the Earth's surface increases, its potential ergy increases. The height of a car that moves a distance of 240 Kilometers in 3 and the speed of a car that moves a distance of 240 Kilometers in 3 are included the eyes, nose, ears, tongue and skin, and they receive formation from the surroundings and send it to the brain. The present in car airbags, and allow them to deflate fast after a light falls on it. The present in the table of the following in and relaxes during breathing in and relaxes during breathing in the following living organisms according to their habitats into reganisms live in deserts and organisms live in forests in the table became a Barbary fig plant).

1	(A) Write	the	scientific	term	of	each	of	the	following	:
---	-----------	-----	------------	------	----	------	----	-----	-----------	---

 A property 	that helps	animals blei	nd in with	their	surrounding	environment.
--------------------------------	------------	--------------	------------	-------	-------------	--------------

		THIAL EXA	MINATION
2. A system that works inside the	he human body to keep the h	uman away fron	n
danger.		()
3. The energy that is used to of	perate television.	- ()
4. The force that makes an obje		()
(B) Give an example for the fo	llowing:		
A light source that presents i		(Ī
(A) Choose the correct answer			
1. The potential energy of an of	bject depends on		
a, its mass only.			
b. its height from the Earth's	surface only.		
c. its mass and its height from	n the Earth's surface.		
d. its temperature.			
2is considered as a b	ehavioral adaptation in the pa	anther chamele	Oi).
a. Puffing up its body during	danger		
b. Each eye can move indep	endently		
c. V-shaped feet	d. Long sticky tongue		
3. From the structural adaptation	on of water lily plant is that		
a. it has long roots.	b. it has sharp spines.		
c. it has tiny leaves.	d. it has wide leaves.		
4. All of the following are exam	ples of motion, except		
a. a running person.	b. a ball travelling thro	ugh the air.	
c. a flying bird.	d. a sleeping dog.		
(B) What happens if?			
	e materials into waterways an	d soil in an	
(A) Correct the underlined wo	rds:		
1. The balanced forces cause t	he object to move.	()
2. When you turn on a radio, th	e electrical energy changes i	nto <u>light</u> energy	
		()
3. Potential energy depends or		(
The system that works with the digestive system.	he eyes of living organisms for		ts is)
(B) A deer runs a distance of 2	00		,

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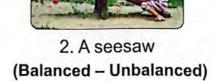
Model Exam 5

1	(A) Choose the cor	rect answer:				
	1. When a car sudo	denly stops, the	passengers move)		
	a. backward.	b. forward.	c. upward.	d. downward.		
	2. Reading and wri	ting are commo	on types of commu	nication in	vorld.	
	a. humans	b. animals	c. birds	d. plants		
	3. Bears that live in	forests have fu	ur that of p	olar bears.		
	a. whiter than		b. darker than			
	c. similar to		d. brighter tha	n		
	4. When the roller	coaster stops, it	ts energy of motion	n		
	a. doesn't chang	je.	b. increases.			
	c. decreases.		d. becomes ze	ero.		
	(B) What happens	if?				
			esn't exceed 3 me	ters downward.		
2	(A) Put (V) or (X)					
	1. At night, cat's ey	es look like sm	all lighted lamps.		()
	2. The sandy-color	red fur of caraca	al helps it blend in	with snow in polar		
	environment.				()
	3. After car collisio	n, the airbags o	leflate as fast as th	ey inflate.	()
	4. The stopped ob	ject can't move	until a force acts o	n it.	()
	(B) Look at the fol	lowing pictures	s, then choose if th	ne forces are "baland	ced" or	





(Balanced - Unbalanced)



			FINAL EXAM	NOITANI
(A) Write the sc	ientific term of ea	ch of the following		
		colored fur to adapt i		
environment	William State Commission of Co		(1
2. It is the force	that pulls objects to	oward the center of	the Earth.	3
3. Safety equipr		de soft cushion, whe		į.
	n salt water habita	t and has long, stror	ng roots to resist	Y .
(R) Give a reaso	on for the following	σ:		
		hered on the top of i	ts trunk.	
	months in the second second	energiane a manadare ser	opyriumum menu i muis	
	aaram wanni amaa	ninmoninionani maesar	NOODON ON THE CONTROL OF THE CONTROL	
	Mod	el Exam 6		
	Windstelland	Committee of the control of the control of		
	correct answer :			
			ural adaptations in the	
	neleon, except			
	an move independ			
	ts mouth wide at da	100 중 하루하셨습니다. 하나 하나는 것 같아.		
c. V-shaped f		d. long sticky to		
		s means that its		
a. color	b. shape	c. size	d. position	
breaking it. T			es over its branches with the second second its branches with the extreme co	
a. caracal.	b. penguin.	c. fennec fox.	d. brown bear.	
4. If there is not	hing to stop the me	ovement of an object	t, this object will	
a. stay in mo		b. suddenly stop		
c. stop after f		d. stop after fev		
	on for the followin			
		o make camouflage	adaptation	
		o mano odmodnago		
(A) Put (V) or (x):			
		ect in its place with	out movina.	1
			jects that don't move	,
have no ener			jesie mai den i more	(
	프라이트 (14 10 10 10 10 10 10 10 10 10 10 10 10 10	d vessels can warm	up the warm blood	
vessels.			-1	(

4. The moon is not considered as a light source.

(B) Classify the following animals in the table below:

(Fishing cat - Dolphin - Owl - Bat)

Animals have super sight sense	Animals have super hearing sense

(A) Write the scientific term of each of the following:

- An organ in the human digestive system that has tiny blood vessels to absorb
 the nutrients through its walls.
- A feature in the bull shark, in which the upper surface of its body is darker than its lower surface.
- 3. The ability to do work or cause a change.
- 4. The organ used to differentiate between the taste of different types of food.
- (B) Amir rides his bike and covers a distance of 150 meters in 5 seconds.

 Calculate the speed of the bike.

Model Exam 7

1 (A) Choose the correct answer:

- 1. Camouflage means that the animal
 - a. can be seen easily among its surrounding.
 - b. is hard to be seen among its surrounding.
 - c. is easily to be seen by its preys.
 - d. can be seen easily by its predators.
- 2. The five senses of humans and animals include
 - a. sight, hearing, touch, smell, and movement.
 - b. sight, movement, taste, touch, and smell.
 - c. taste, touch, movement, hearing, and smell.
 - d. sight, hearing, taste, smell, and touch.
- 3. When an object moves down a ramp, its stored energy
 - a. increases.
 - b. doesn't change.
 - c. changes to a less active form of energy.
 - d. changes to a more active form of energy.

is that	orey at night,	
a. it can feel the heat of prey's body.		
b. it can hide inside the forest.		
c. it can digest its prey easily.		
d, it has a mirror-like membrane at the back of its eyes.		
(B) What happens if?		
Friction occurs between the string and the other parts of New	er e resta tim	
collision.		
(A) Put (V) or (X):		
 Being exposed to air rich in dust for a long time harms the har 	nan resolratory	
system.		
2. If two objects travel for equal periods of time, the object that a	TOVETS /	
a greater distance has a slower speed.		
3. When an object moves faster, it gains larger amount of kinetic		
 Camouflage helps animals adapt the extreme weather conditi ecosystems. 	ons in their (
(B) Find the speed of a horse, if you know that it covers 250 m	eters in 5 secor	nds
(B) Find the speed of a horse, if you know that it covers 250 me. (A) Write the scientific term of each of the following:	eters in 5 secor	nds
		nds
(A) Write the scientific term of each of the following :		nds
(A) Write the scientific term of each of the following: 1. A process through which the body gets oxygen from the air ar	nd (nds
(A) Write the scientific term of each of the following: 1. A process through which the body gets oxygen from the air ar expels out carbon dioxide. 2. An animal that has different bright colors to provide camouflage.	nd (nds
(A) Write the scientific term of each of the following: 1. A process through which the body gets oxygen from the air ar expels out carbon dioxide. 2. An animal that has different bright colors to provide camouflagen environment and has V-shaped feet.	nd (nds
 (A) Write the scientific term of each of the following: 1. A process through which the body gets oxygen from the air ar expels out carbon dioxide. 2. An animal that has different bright colors to provide camouflagenvironment and has V-shaped feet. 3. The energy of an object due to its motion. 4. The energy that is stored in food and batteries. 	nd (nds
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 (A) Write the scientific term of each of the following: 1. A process through which the body gets oxygen from the air ar expels out carbon dioxide. 2. An animal that has different bright colors to provide camouflage environment and has V-shaped feet. 3. The energy of an object due to its motion. 4. The energy that is stored in food and batteries. (B) Give a reason for the following: 	nd (ge in its ((
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(A) Correct the underlined words:

- (B) What happens if ...?

The amount of food in the ant's colony decreases.

Model Exam 9

1. The sight se	nse can be performe	ed through and		
		ne road, car (A) moves at speed equals		
		speed equals 20 m/sec, this means that	car	
		han carin the same time.	esie	
	수 있는 사람이 되는 그렇게 하는 그들을 했다.	s have to breath oxygen gas in		
		ring collision of cars are and		
	on for the following			
If you push than the oth		one of them may travel for a longer dist	ance	

(A) Put (🗸) or (<u>. (30-1-030) - 17-310-3</u>		
1. As human ne	eds clean water to	drink, fish needs clean air to breathe.	(
2. Seatbelt is o	ne of the safety equi	ipment in cars.	(
A	municate with each	other by using different senses.	(
		[전기의 집단 제작 회사의 경구기에 되었다. [2] [2] [2] [2] [2] [2] [2] [2] [2] [2]		
4. The desert li	zard blend in with la	rge green trees, to hide from its enemies u know that he covers 400 meters in 20 s		ds
4. The desert li	zard blend in with la	rge green trees, to hide from its enemies		ds
4. The desert li	zard blend in with la	rge green trees, to hide from its enemies		ds
4. The desert li	zard blend in with la ed of a runner, if you 	rge green trees, to hide from its enemies		ds
4. The desert list (B) Find the specific (B)	zard blend in with la ed of a runner, if you 	rge green trees, to hide from its enemies I know that he covers 400 meters in 20 s		ds
4. The desert list (B) Find the special (B) Find the special (A) Choose the 1. All the follow a. it can be s	zard blend in with land of a runner, if you correct answer: ing sentences about tored in an object.	rge green trees, to hide from its enemies I know that he covers 400 meters in 20 s		ds
(A) Choose the 1. All the follow a. it can be to	correct answer: ing sentences about tored in an object.	rge green trees, to hide from its enemies u know that he covers 400 meters in 20 s energy are correct, except		ds
(A) Choose the 1. All the follow a. it can be to c. it can be to	correct answer: ing sentences about tored in an object.	rge green trees, to hide from its enemies u know that he covers 400 meters in 20 s energy are correct, except		ds
(A) Choose the 1. All the follow a. it can be to c. it can be to d. it can be d	correct answer: ing sentences about tored in an object. ransferred from an o ransformed from one lestroyed and cannot	rge green trees, to hide from its enemies u know that he covers 400 meters in 20 s energy are correct, except	econ	
(A) Choose the 1. All the follow a. it can be to c. it can be to d. it can be do 2. The blind per	correct answer: ing sentences about tored in an object. ransferred from an o ransformed from one lestroyed and cannot	rge green trees, to hide from its enemies in know that he covers 400 meters in 20 s energy are correct, except bject to another one. form into another one. t be created. emit a high-pitched sound that bour	econ	
(A) Choose the 1. All the follow a. it can be to c. it can be to d. it can be do 2. The blind per objects forming a. lizards	correct answer: ing sentences about tored in an object. ransferred from an or eastroyed and cannot rson's cane and ng an echo. b. polar bears	rge green trees, to hide from its enemies in know that he covers 400 meters in 20 s energy are correct, except bject to another one. form into another one. t be created. emit a high-pitched sound that bour	econ	
(A) Choose the 1. All the follow a. it can be to c. it can be to d. it can be do 2. The blind per objects forming a. lizards	correct answer: ing sentences about tored in an object. ransferred from an or eastroyed and cannot rson's cane and ng an echo. b. polar bears	rge green trees, to hide from its enemies u know that he covers 400 meters in 20 s energy are correct, except bject to another one. form into another one. t be created. emit a high-pitched sound that bounce, bull sharks d. bats	econ	
(A) Choose the 1. All the follow a. it can be to c. it can be to d. it can be do 2. The blind per objects formi a. lizards 3. Speed is a ma. long	correct answer: ing sentences about tored in an object. ransferred from an or estroyed and cannot rson's cane and b. polar bears neasurment of how	rge green trees, to hide from its enemies I know that he covers 400 meters in 20 s energy are correct, except bject to another one. form into another one. t be created. emit a high-pitched sound that bounce. c. bull sharks d. bats c. bull sharks d. bats c. fast d. heavy	econ	
(A) Choose the 1. All the follow a. it can be to c. it can be to d. it can be do 2. The blind per objects formi a. lizards 3. Speed is a ma. long	correct answer: ing sentences about tored in an object. ransferred from an o ransformed from one lestroyed and cannot rson's cane and ng an echo. b. polar bears neasurment of how b. tall ick needs	rge green trees, to hide from its enemies I know that he covers 400 meters in 20 s energy are correct, except bject to another one. form into another one. t be created. emit a high-pitched sound that bounce. c. bull sharks d. bats c. bull sharks d. bats c. fast d. heavy	econ	

(B) Write the senses that can be used in each of the following types of communication in the table below:

Types of communication	The used senses
1. Watching TV.	
2. Flashing lights of fireflies.	
3. Echolocation in dolphins.	
4. Using the cell phone.	

	d energy. b. not able to produce kinetic energy.
similar in obtaining energy Push or pull actions are cor	y to move. d. similar in adaptation to live and survive.
a. force. b. device.	
3. The nervous system can do	all the following functions, except
a. gathering information.	b. processing information.
c. sending signals.	d. falling of rains.
4. The speed of an object is m	neasured in or meters per second.
a. kilograms per hour	b. grams per second
c. kilometers per hour	d. kilograms per kilometers
(B) Give a reason for the follo	owing :
The spinal cord plays an in function.	mportant role in the nervous system to do its
(A) Complete the following se	entences :
	the floor, the transfers from your body to
the table.	the noor, the transiers from your body to
Echolocation property is us preys.	ed by and animals to locate their

	Most of er the rest of balls.	nergy in the Newto	on's cradle is transfer	red from the first ball to
	4. To increase the	energy of an	y moving object we n	nust increase its speed
	(B) A car moves forw Calculate the spe	ed of the car.	0 kilometers in time	eminione, pp. septimosis
3	(A) Put (V) or (X) :			
	 If two objects cover speed. 	r the same distan	ce in the same time,	so they have the same (
	In a complete dark and hearing only.	room, you can us	se the senses of touc	hing, tasting, smelling (
	The moving object no energy.	s only have energ	y, while the objects t	hat don't move have (
	We cannot create a form of energy.	a new form of ene	rgy, and also we can	not destroy an existed (
	(B) You have some pictorgan number in f			oody. Write down the in the following table
	(1)	(2)	(3)	(4)
	Syst	em name	Organ numb	per
	1. Digestive	e system :		
	2. Respira	tory system :		

3. Nervous system:



Final Examinations of some governorates

on the first term 2023

Cairo Governora	ite	New Cairo Ed	ducational Zone
(A) Complete the following: 1. Fireflies use the sense of 2 and ar 3. In electric heater,	e from sharp sen energy changes	ses in owls. into	
(B) Give a reason for the follow Dolphin can hear all kinds of			
(A) Write the scientific term :			
One of the safety equipment			(
2. It is the visible form of energ		Library and a second	(
3. It is a type of force that make			
4. It is a tree that is found in sn	low and has a tria	ingle shape.	(
(B) Compare between:			
(B) Compare between : Point of comparison	Polar bear		Forest bear
	Polar bear		Forest bear
Point of comparison Fur color:			Forest bear
Point of comparison Fur color : (A) Choose the correct answer	·:		
Point of comparison Fur color:	·:	mmunication ir	
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are comparison	r : nmon types of cor b. animals	mmunication in	າ world.
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are com a. humans	r: nmon types of cor b. animals pecome active at	mmunication in the state of the	nworld,
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are com a. humans 2	nmon types of cor b. animals become active at b. Amphibians	nmunication in night.	nworld,
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are com a. humans 2	nmon types of cor b. animals become active at b. Amphibians	mmunication in night.	າ world.
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are com a. humans 2	nmon types of cor b. animals become active at b. Amphibians b. chemical	mmunication in night.	nworld, c. birds c. Nocturnal animal c. electrical
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are com a. humans 2	nmon types of corb. animals become active at b. Amphibians energy b. chemical the passengers	mmunication in night.	nworld, c. birds c. Nocturnal animal c. electrical
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are com a. humans 2	nmon types of cor b. animals become active at b. Amphibians b. chemical	mmunication in night.	nworld, c. birds c. Nocturnal animal c. electrical
Point of comparison Fur color: (A) Choose the correct answer 1. Reading and writing are com a. humans 2	b. Amphibians b. chemical the passengers b. upward.	mmunication in night.	nworld. c. birds c. Nocturnal anima c. electrical

2

Cairo Governorate

East Nasr City Educational Zone

١	(A) Choose the correc	t answer :		
	1. Reading and writing	are common types o	of communication be	tween
	a. animals.	b. humans.	c. plants.	d. birds.
	2. When an object is i	n motion, this means	that itsch	anges.
	a. color	b shape	c. position	d. size
	3. Which of the follow	ing can turn its head i	n all directions.	
	a. lizards.	b. owls.	c. cats.	d. cow.
	4. When you move so	mething toward you,	his represents	Dansin
	a. pulling force.	b. light energy.	c. pushing force.	d. sound energy.
	(B) Write the scientifi	c term :		
		allow light to pass thro	ugh them.	()
2	(A) Put (V) or (X):			
	1. Seatbelt is one of s			()
	2. The ears of arctic for		se of fennec fox.	()
	Exhaled air carries	oxygen.		()
	Gravity pulls object	s downward.		()
	(B) What is the type of	f adaptation?		
	Panther chameleor	puffs up its body with	air for defense.	
E	(A) Complete the following	owing sentences usin	g the words betwee	n brackets:
	Fish breathe oxyge			(skin - gills)
	2. The organ that is re	The second secon		(eye - ear)
	3. If the speed of obje			ergy
	a construction of the state of the state of			ases – decreases)
	4. The form of energy	that can be seen is		(light - sound)
	(B) What happen if fire	efly beetles want to	communicate ?	

3 Cairo dove	riiorate	El-Sallei Luuc	addital zone
(A) Choose the correct a		alled animals	
Animals that are active			
a. diurnal		c. endangered	
2. The ability to rotate he			
a. owl.	b. jerboa.	c. snake.	
3. There is a its speed gradually.	rorce between t	ne car's tires and the re	dau mai uscreases
a. gravity	b. friction	c. push	d. pull
4 is the ability	y to do work or	make a change.	
a. Speed	b. Work	c. Energy	d. Displacement
(A) Match :			
(A)		(B)	
1. Kapok	a. is the co	vered distance in a unit	of time.
2. Jerboa	b. grow in a	amazon rainforest.	
3. Potential energy	c. it hops in	n zigzag path.	
4. Speed	d. is the sto	ored energy in the object	due to its position.
1.	2.	3	4.
(B) Mention the importa	nce of gills for	tish.	
(A) Correct the underline	ed words :		
1. The eye pupil in huma		an that in the	
nocturnal animals.	opo <u>o.</u>		(
2. Stomach is the main o	ontrol center in	the human body.	(
3. The kinetic energy inc			,
of the moving object.			(
4. Pushing force of gravit	ty makes the ba	all falls down after	
throwing it in air.			(

(B) Write a name of an animal that lives in water and communicate by songs.

(A) Complete the following senteneces usin	g these words :	
(acacia tree – energy –		
1. Blind people can locate his friend by		
2. It is the ability to do work and it can chang		alled
3. From plants that have a long root that grow water as deep as 35 meter below the soil		for
There are two forces that affect on a movie and pulling forces.	ng object which are	
(B) Who am I?		
An insect that depends on smell sense whethere is a danger nearby.	en there is a shortage of food o	or if
(A) Put (V) or (X):		
(A) Put (V) or (X):	aird which stave in its nest	1
1. From the examples of kinetic energy, the b		(
 From the examples of kinetic energy, the b We can determine the sound pitch by sme 	lling sense.	((
 From the examples of kinetic energy, the b We can determine the sound pitch by sme The moon is a source of light, as it reflects The stopping object can't move until a force 	lling sense. sunlight. e acts on it.	(((
 From the examples of kinetic energy, the b We can determine the sound pitch by sme The moon is a source of light, as it reflects 	lling sense. sunlight. e acts on it. ollowing:	
 From the examples of kinetic energy, the b We can determine the sound pitch by sme The moon is a source of light, as it reflects The stopping object can't move until a force Write the scientific term of each of the fe 	lling sense. sunlight. e acts on it. cllowing: d scales and has v-shaped feet (
 From the examples of kinetic energy, the b We can determine the sound pitch by sme The moon is a source of light, as it reflects The stopping object can't move until a force Write the scientific term of each of the f A reptile that its body is covered by colored 	lling sense. sunlight. e acts on it. cllowing: d scales and has v-shaped feet (
 From the examples of kinetic energy, the beautiful to the sound pitch by smeets. The moon is a source of light, as it reflects to the stopping object can't move until a force (B) Write the scientific term of each of the few A reptile that its body is covered by colored (A) Choose from column (A) when suits it in 	lling sense. sunlight. e acts on it. collowing: d scales and has v-shaped feet (
 From the examples of kinetic energy, the beautiful to the sound pitch by smear the	lling sense. sunlight. e acts on it. collowing: d scales and has v-shaped feet (
1. From the examples of kinetic energy, the base 2. We can determine the sound pitch by sme 3. The moon is a source of light, as it reflects 4. The stopping object can't move until a force (B) Write the scientific term of each of the fact A reptile that its body is covered by colored (A) Choose from column (A) when suits it in (A) 1. Diaphragm	lling sense. sunlight. e acts on it. collowing: d scales and has v-shaped feet (
1. From the examples of kinetic energy, the base 2. We can determine the sound pitch by sme 3. The moon is a source of light, as it reflects 4. The stopping object can't move until a force (B) Write the scientific term of each of the factor A reptile that its body is covered by colored (A) Choose from column (A) when suits it in (A) 1. Diaphragm 2. Kinetic energy	lling sense. sunlight. e acts on it. collowing: d scales and has v-shaped feet (on.
1. From the examples of kinetic energy, the base 2. We can determine the sound pitch by sme 3. The moon is a source of light, as it reflects 4. The stopping object can't move until a force (B) Write the scientific term of each of the fact A reptile that its body is covered by colored (A) Choose from column (A) when suits it in (A) 1. Diaphragm 2. Kinetic energy 3. The force that attracts bodies toward in the content of the fact that its body is covered by colored (A).	lling sense. sunlight. e acts on it. collowing: d scales and has v-shaped feet (on.
1. From the examples of kinetic energy, the base 2. We can determine the sound pitch by sme 3. The moon is a source of light, as it reflects 4. The stopping object can't move until a force (B) Write the scientific term of each of the fact A reptile that its body is covered by colored (A) Choose from column (A) when suits it in (A) 1. Diaphragm 2. Kinetic energy 3. The force that attracts bodies toward Earth	lling sense. sunlight. e acts on it. collowing: d scales and has v-shaped feet (on.

5	Giza G	overnorate	Abou El Nomro	s Educational Zone
(A) Ch	oose the corr	ect answer :		
1. Anir	nals that beco	ome active at night a	re calleda	inimals.
a. n	octurnal		b. diurnal	
c. e	xtinct		d. endangered	
2. Who	en the force a	cting on a moving b	ody increases, its spe	ed will
	crease.		b. decrease.	
c. re	emain constar	nt.	d. stop.	
3. Pus	h or pull actio	ns are considered a	s types of	
	orce.	b. device.		d adaptation.
4. The			t due to its position, is	
a. k	inetic	b. potential	c. sound	d. light
(B) Cla	assify the foll	owing into (structur	al and behavioral ad	aptation):
1. V-s	haped feet of	panther chameleon.		(
2. Ser	nding a smelly	message from aca	cia tree to other trees.	. (
(A) Pu	it (V) or (X) :			
		municate with each	other by using songs.	
			downward to the Earl	
			with the help of saliv	2.0
		neasuring unit of spe		i
	oss out the o			
		ec fox – Polar bear.		(
rei	iguili – Ferine	ec lox – Folal beal.		(
(A) Co	mplete the f	ollowing using the	words between brack	kets:
		(Glass - Energy	y - Car seatbelt - Bra	ain)
		afety equipment that when the car stops	t is used to prevent c suddenly.	ar passengers from
	The state of the s		for transparent mate	riolo

(B) Write the scientific term:

4. is the ability to do work.

3. is an organ in the nervous system.

A body that appears lighted in the sky at night, but it is not considered as a source of light.

4. A ball at the top of the hill stores	overnorate 6 th October Ed	ducational Zone
a. fresh water. b. salt water. c. both. Speed is a measurement of how something is moving. a. long b. fast c. tall something is moving. b. fast c. tall something is moving. c. tall something is moving. a. long b. fast c. tall something is a behavioral adaptation in acacia tree. a. Very long root b. Sharp spines c. Production A ball at the top of the hill stores energy. a. potential b. sound c. kinetic (B) Give a reason for the following: A mirror can reflect the light better than a painted surface. (A) Put (V) or (X): Bats use their sense of smell to avoid dangers. The brain is responsible for processing information. Energy can be changed from one form to another. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	ect answer :	
2. Speed is a measurement of how something is moving. a. long b. fast c. tall 3	re in	
a. long b. fast c. tall 3	b. salt water.	c. both.
3	rement of how something is me	noving.
a. Very long root b. Sharp spines c. Producti 4. A ball at the top of the hill stores energy. a. potential b. sound c. kinetic (B) Give a reason for the following: A mirror can reflect the light better than a painted surface. (A) Put (V) or (X): 1. Bats use their sense of smell to avoid dangers. 2. The brain is responsible for processing information. 3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	b. fast c	c. tall
a. Very long root b. Sharp spines c. Producti 4. A ball at the top of the hill stores energy. a. potential b. sound c. kinetic (B) Give a reason for the following: A mirror can reflect the light better than a painted surface. (A) Put (V) or (X): 1. Bats use their sense of smell to avoid dangers. 2. The brain is responsible for processing information. 3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (B) 1. Its body is covered with thick fur a. food. 2. It makes the food soft b. polar bear. 3. Human needs energy from c. owl.	navioral adaptation in acacia tree.	
4. A ball at the top of the hill stores		c. Production poison
(B) Give a reason for the following: A mirror can reflect the light better than a painted surface. (A) Put (V) or (X): 1. Bats use their sense of smell to avoid dangers. 2. The brain is responsible for processing information. 3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	the hill stores energy.	
A mirror can reflect the light better than a painted surface. (A) Put (/) or (X): 1. Bats use their sense of smell to avoid dangers. 2. The brain is responsible for processing information. 3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (B) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.		c. kinetic
(A) Put (V) or (X): 1. Bats use their sense of smell to avoid dangers. 2. The brain is responsible for processing information. 3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (B) (C) (C) (C) (C) (D) (D) (D) (D	r the following:	
1. Bats use their sense of smell to avoid dangers. 2. The brain is responsible for processing information. 3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	t the light better than a painted surface.	
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2. The brain is responsible for processing information. 3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (B) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	ise of smell to avoid dangers.	ï
3. Energy can be changed from one form to another. 4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (B) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.		ì
4. Gravity force is an upward pulling force. (B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (A) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	[1988] [1988] [1982] [ì
(B) Write the function of the teeth: (A) Choose from column (B) what suits it in column (A): (B) (B) (C) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from (C) owl.		ì
(A) Choose from column (B) what suits it in column (A): (A) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.		
(A) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	on of the teeth :	
(A) (B) 1. Its body is covered with thick fur 2. It makes the food soft 3. Human needs energy from c. owl.	umn (B) what suits it in column (A) :	
2. It makes the food soft 3. Human needs energy from b. polar bear. c. owl.		(B)
2. It makes the food soft 3. Human needs energy from b. polar bear. c. owl.	overed with thick fur a. food.	
3. Human needs energy from c. owl.		ear.
4. has a bowl shaped face d. saliva.		
1		
(B) What happens if?	2	4
A speed of a car increases. (according to its kinetic energy).		4

Eyes - Nose - Skin - Taste.

(.....)

Alexand	iria Governorate	El-Montezah Edi	ucational Zone
(A) Charan the a			
(A) Choose the c		ny ta slamach	
A CONTRACTOR OF THE PROPERTY O	ses the food from phary		d Alunai
	b. Stomach		Q. FINSOn
	od areb, transparent		d nasenus
	have blood vessels that		
	b. cold blood		
	duce high pitched sound		
a. Owls	man tridic browning against	b. Humpback wi	nales
c. Toads		d. Salamanders	
	luord.		
(B) Cross the odd			(
Nose - Trache	ea – Stomach – Lungs.		(
(A) Choose from	column (B) what suits it	t in column (A):	
	(A)	A Charles He Let	8)
1. Water lily		a. its habitat is sal	t water.
2. Kapok tre	ee	b. its habitat is free	sh water.
3. Pine tree		c. its habitat is Am	azon rainforest.
4. Mangrov	e tree	d. its habitat is sno	ow.
1	2	3	4
(D) White the sci	antific tarm :		
(B) Write the sci	melly message to alert t	he ants where to find	the food
Ants send a s		HE AIRS WIICIC TO HIIU	
4-111-111-111-111	melly message to alert t		
	meny message to alert t		
(A) Put (🗸) or (X	c):		(
(A) Put (🗸) or (X	(): fan, the electrical energ		(
(A) Put (V) or (X) 1. In the electric 2. The fennec for	(): fan, the electrical energ	gy changes into kineti	(

(B) Give a reason for the following:

The body of chameleon is covered with colored scales.

b. Cat.

b. shape

4. When an object is in motion, this means that its changes.

c. Owl.

c. color

a. Lizard.

a. position

(B) Write the scientific term:

The ability to do work.

d. Snake.

d. volume

10 Sharkia Governorate

Kafr Sagr Educational Zone

1. The body of arctic	c fox covered with		
a. skin.	b. thick fur.	c. feathers.	d. scales.
2. The ability to do v	vork is		
a. energy.	b. force.	c. pull.	d. push.
3. Fish breathe oxyg	gen dissolved in water	by	
a. lungs.	b. gills.	c. skin.	d. fins.
By increasing the	speed of moving obje	ct, the kinetic energy	/ Will
a. increase.	b. decrease.	c. still constant.	d, be slower.
(A) Put (V) or (X):			A hardware transfer and the same of the same
1. Both human and	animal need light to se	ee.	(
Respiratory syste	m is the system respo	nsible for entering ai	ir to
Respiratory syste the body.	m is the system respo	nsible for entering ai	ir to
the body.	m is the system respo		ir to (
the body. 3. Speed is the physical street.		d by kilogram.	ir to ((
the body. 3. Speed is the phys 4. Objects fall down (B) In your opinion,	sical quantity measure	d by kilogram. ction force. g has thick fur? and	(
the body. 3. Speed is the phys 4. Objects fall down (B) In your opinion,	sical quantity measure to the Earth due to fric which of the followin weather or dogs live in	d by kilogram. ction force. g has thick fur? and	(
the body. 3. Speed is the physical street. 4. Objects fall down. (B) In your opinion, Dogs live in cold. (A) Complete the form.	sical quantity measure to the Earth due to fric which of the followin weather or dogs live in	d by kilogram. ction force. g has thick fur? and hot weather.	(
the body. 3. Speed is the physical street. 4. Objects fall down. (B) In your opinion, Dogs live in cold street. (A) Complete the four the	sical quantity measure to the Earth due to frict which of the following weather or dogs live in the following sentences:	d by kilogram. ction force. g has thick fur? and hot weather. gh nerves.	(((d why ?
the body. 3. Speed is the physical street. 4. Objects fall down. (B) In your opinion, Dogs live in cold street. (A) Complete the four the	sical quantity measure to the Earth due to fric which of the followin weather or dogs live in	d by kilogram. ction force. g has thick fur? and hot weather. gh nerves.	(((d why ?
the body. 3. Speed is the physical street. 4. Objects fall down (B) In your opinion, Dogs live in cold with the following complete the following complete the following color which potential energy. 3. The force that causes.	to the Earth due to frict which of the following weather or dogs live in the stored in a ball at the uses falling objects tow	d by kilogram. ction force. g has thick fur? and hot weather. gh nerves. he top of a hill is	(((((((((((((((((((
the body. 3. Speed is the physical street. 4. Objects fall down (B) In your opinion, Dogs live in cold with the following complete the following complete the following color which potential energy. 3. The force that causes.	sical quantity measure to the Earth due to frict which of the following weather or dogs live in the following sentences: age to	d by kilogram. ction force. g has thick fur? and hot weather. gh nerves. he top of a hill is	(((((((((((((((((((
the body. 3. Speed is the physical street. 4. Objects fall down (B) In your opinion, Dogs live in cold with the following of the fall street. (A) Complete the following street. (A) Complete the following street. The energy which potential energy. The force that causes.	sical quantity measure to the Earth due to frict which of the followin weather or dogs live in sllowing sentences: age to	d by kilogram. ction force. g has thick fur? and hot weather. gh nerves. he top of a hill is	(((((((((((((((((((

2	Suez Go	vernorate	South Edu	cational Zone	
(A) Ch	oose the corre	ct answer:			
1	has the	ability to turn the I	nead in all directions.		
a. S	inake	b. Jerboa	c. Dolphin	d. Owl	
2. All c	of the following	are components of	of nervous system, exc	<u>cept</u>	
a. s	pinal cord.	b. heart.	c. nerves.	d. brain.	
3. The	form of energy	that can be seen	is energy.		
a. th	nermal	b. electrical	c. light	d. sound	
		und between a mo	oving car and the grou	ina, which oppos	93
a. p	ushing force.		b. electrical en	ergy.	
c. m	nagnetic energy	/.	d. friction force	·.	
		the following : different from the e	xhaled air.		
	it (✓) or (X) :				,
			city through a wire.	- clone	(
			ars that live in polar re		(
	rgy decreases.		arth's surface increase	es, its poteritial	(
		I needs a pulling for	orce.		(
			on a smooth and shin	v surface as mirr	or 7
(B) VVI	тат паррепз wi	ien the nght lans	on a smooth and simi	y surrace as min	
(A) Co	mplete the fol	lowing sentences	using the words below	w:	
			unbalanced – amphib		
			es, its kinetic energy.		
		ed by some anima			
			n the forces acting on	it are	
4. Pol	lution of water of	causes a great pro	blems for		
(B) Giv	ve one example	for:			
1. A tra	ansparent mate	erial.			
2. An o	opaque materia	ıl.			***

14	Sohag Go	vernorate	Sabry Abo Hussien	Language School
11 (A) Cl	noose the correc	t answer :		
			, this represents	
	oushing force.	b. light energy.		d. sound energy.
		roduce		
a. s	solar energy.		b. sound energy.	
c. g	ravitational pote	ential energy.	d. chemical poter	ntial energy.
3. In t	he electric lamp,	electrical energy is	changed into	energy
	sound	b. chemical	c. light	d. potential
4. The	organ responsi	ble for the sight sens	se is	
a. t	he ear.		b. the eye.	
c. tl	he nose.		d. the tongue.	
Ob	oject (A)		Object (B)	
(A) Pu	it (v) or (x):			
1. Dol	phins have stron	ng sight sense.		(
2. Airb	ag absorbs the	energy of the passe	ngers during collision	. (
3. The	ears of arctic fo	x are longer than th	ose of fennec fox.	(
		wn from your hand,	the acting force	
is th	ne gravity.			(
(B) Ans	swer the follow	ing :		
			hat help them to Jum the type of adaptatior	
		wing sentences :		
	is the abi	The state of the s	OK SAND WAS SAN	
			ach other through	
			s kinetic energy	
		dissolves in water	∃ī.	
	oss out the odd			
Pen	quin - Polar hea	r - Snake - Arctic F	OX	The same series and the

(B) Give a reason for : Airbag deflates after

blend in snow.

buildings destruction.

Airbag deflates after seconds of collision.

4. It covers the body of some bears to keep warm and

Exams 2024

1 Cairo - Official Language Schools

Question (1)

(A) Choose the correct answer:			
1) When we turn on a television,	and energies are produced		
a. sound - chemical	b. light - chemical		
c. sound - light	d. solar - light		
2 A very big truck needs	to move.		
a. a very small engine	b. a small engine		
c. a very big engine	d. no engine		
3 A polar climate	And the year of the second		
a. is the hottest place on Earth	b. is the coldest place on Earth		
c. looks like the desert climate d looks like the forest climate			
The speed of an object is meas	sured in or meters per second		
and theters per nour	b. grams per second		
c. hours per kilometer	d. kilometers per kilogram		
(B) Study the follwing table, the	n complete:		
Cars Car (A)	E-Company and the company and		
Speed 200 km/h			
Car () is the fastest one.	400 km/h 500 km/h		
3 -	The state of the s		
(A) PIIT (./) OH (V.	02/21		
	on (2)		
1 Bats use their sense of smell to	avoid danger		
 Bats use their sense of smell to Fennec foxes live in deserts, while 	avoid danger. e caracals live in forcets		
 Bats use their sense of smell to Fennec foxes live in deserts, while 	avoid danger. e caracals live in forcets		
 Bats use their sense of smell to Fennec foxes live in deserts, while The sharp spines protect barbar 	e caracals live in forests. () y figs from hungry animals ()		
 Bats use their sense of smell to Fennec foxes live in deserts, while The sharp spines protect barbar The moon is considered a light sense of smell to 	e caracals live in forests. () y figs from hungry animals ()		
 Bats use their sense of smell to Fennec foxes live in deserts, while The sharp spines protect barbar The moon is considered a light s Energy is the ability to do work. 	e caracals live in forests. () y figs from hungry animals ()		
 Bats use their sense of smell to a Fennec foxes live in deserts, while The sharp spines protect barbar The moon is considered a light s Energy is the ability to do work. (B) Cross out the odd word: 	avoid danger. e caracals live in forests. y figs from hungry animals. ource. ()		
 Bats use their sense of smell to a process. Fennec foxes live in deserts, while the sharp spines protect barbar. The sharp spines protect barbar and the moon is considered a light sense of the sharp spines protect barbar. Energy is the ability to do work. Cross out the odd word: The Sun - The moon - Fire - Can 	avoid danger. e caracals live in forests. y figs from hungry animals. ource. () ()		
1 Bats use their sense of smell to 2 Fennec foxes live in deserts, while 3 The sharp spines protect barbar 4 The moon is considered a light so 5 Energy is the ability to do work. (B) Cross out the odd word: 1 The Sun – The moon – Fire – Can 2 Bats – Fireflies – A blind person's	avoid danger. e caracals live in forests. y figs from hungry animals. ource. () dle cane - Dolphins		
 Bats use their sense of smell to a process. Fennec foxes live in deserts, while the sharp spines protect barbar. The sharp spines protect barbar and the moon is considered a light sense of the sharp spines protect barbar. Energy is the ability to do work. Cross out the odd word: The Sun - The moon - Fire - Can 	avoid danger. e caracals live in forests. y figs from hungry animals. ource. () dle cane - Dolphins		

	Quest	on (3)		
Choose from co	lumn (A) wha	t suits it in column	(B):	
Column (A)		Column (B)		
Oxygen	a, is an a	a. is an animal with a bowl-like face.		
2 An owl		b. is the change in the object's position.		
3 Motion		c. is a gas necessary for respiration.		
acceptable reply basis source and basis benefits	2	(3)		
Classify the follo	owing animal	s in the table below		
	(Fishing cat	– Dolphin – Bat)		
Animals that have a s	super sight sense	Animals that have a super	hearing sense	
A		TANK SAME AND ASSESSED.	NAME OF TAXABLE PARTY.	
6	Callo - Al-	Azhar Al-Sharif		
	Ques	tion (1)		
Choose the corre	ect answer:			
1 All the following	are from the co	mponents of the nervou	s system, exce	
the				
a. spinal cord	b. heart	c. nerves	d. brain	
2 By increasing	the mass of an	object, its kinetic energy	J	
a. increases		c. doesn't change		
3 is consider	red a behaviora	adaptation in panther	chameleons.	
a. The v-shap		b. puffing its body		
c. Each eye m	noving independ	ently d. The colored sco	ales of its skin	
	rgy is stored in t			
a. food only		b. battery only		
c. food and T	1/	 d. food and batter 		

13		
Final Revision		
- Put (/) (V)	Question (2)	
- Put (/) or (X):		
	vives in salt water.	
	change from one form to another.	
	one of the safety equipment in cars. (
	lows down the speed of an object. (
3 the inhaled air	contains oxygen gas. (
	Question (3)	
	umn (A) what suits it in column (B):	
Column (A) 1 Fennec foxes 2 Bats 3 Bull sharks 4 Fireflies	a. produce light to warn off predators. b. pant like dogs. c. survive in fresh water and salt water. d. depend of the echo to locate the prey.	
3	Giza - Al-Azhar Al-Sharif	
	Question (1)	
(A) Choose the co	rrect answer:	
adaptat		
(a structural – c structural nor b	behavioral – both structural and behavioral – neith behavioral)	e
2 The nervous s nerves, such as	ystem of consists of brain, spinal cord an elephants and dogs.	
	(rodents - birds - mammals - reptiles	5)
3 Which of the fo	llowing organs work together to see different objects	?
(Nose and brain	- Eyes and brain - Ears and brain - Tongue and brain)
100 Science Prim. 4 - First Term	e used to kick a ball by foot?(Pull - Push - Sound - Light)
- 100) Science Trini, 4 - That felm		

柴

The force that exists between a moving car and the ground on which it moves and that is opposite to the motion of the car is known as the .(push force - electrical energy - magnetic energy - friction force)
 Write the scientific term: 1 They're air sacs surrounded by blood vessels in the respiratory system. 2 It's the sense used to differentiate between smooth and rough surfaces. 3 It's a form of potential energy that causes objects to rush towards Earth's surface. Question (2)
 (A) Put () or (): Agama lizards blend in with the green, huge trees to hide from their enemies. The hearing sense in dolphins is stronger than that in humans. Light reflection depends on the smoothness of the surfaces. Unbalanced forces cause a change in the position of an object. Speed = Time ÷ Distance (B) Cross out the odd word: Saliva - Stomach - Esophagus - Small intestine Spinal cord - Lungs - Nerves - Brain Fishing cats - Owls - Dolphins Bats - Fireflies - Dolphins Sound energy - Light energy - Electrical energy - Thermal energy
4 Al Qalyubia Question (1)
(A) Choose the correct answer: 1 When you move something towards you, this represents a. pushing force b. light energy c. pulling force d. sound energy 2 When an object is in motion, this means that its changes. a. color b. size c. position d. shape Science Prim. 4 - First Term (101)

	Final Revision
1	The help(s) the fish obtain dissolved oxygen in the water. a. gills b. lungs c. tail d. force
	(B) What happens if: Your foot touches a nail on the ground?
	Question (2)
	(A) Put (/) or (X):
	1) Any moving object has a form of energy known as light energy.
	2 Energy is the ability to do work.
	3 Nocturnal animals have eyes larger than humans.
	The wood is a transparent material used in making eyeglasses.(
	(B) Write the scientific term:
	- It's an object that allows light to pass through it.
	Question (3)
	(A) Complete the following sentences:
	1) The form of energy that can be seen is
	2 If the mass of an object decreases, this means that its kinetic energy
	3 A dolphin has a sharp sense of
	4 Fireflies communicate with each other by producing
	(B) Cross out the odd word:
	Light energy – Sound energy – Thermal energy – Chemical energy
	and the same of th
	E Manual Andrews
	5 Alexandria - Montazah Zone 1
	Question (1)
	(A) Choose the correct answer:
	1 The deliver(s) food from the pharynx to the stomach. 1 a. esophagus 2. esophagus 3. esophagus 4. alveoli
	2 Carton and wood are materials.
	Opposite.
	3 A penguin's feet have blood vessels that bringup.
	a. warm blood b. cold blood c. warm water d. cold water
	1020 Science Prim 4 - First Term

B 100

	nderwater to communicate.			
a. Bull sharks	b. Humpback whales			
	d. Salamanders			
cross out the odd	word: Nose - Trachea - Stomach - Lungs Ouestion (2)			
(B) C100	Question (2)			
choose from colum	nn (A) what suits it in column (B): Column (B)			
(A) Column (A)	Column (B)			
water lily	a. Its habitat is salty water.			
2 Kapok tree	b. Its habitat is fresh water			
3 Pine tree	c. Its habitat is Amazon rainforests.			
Mangrove tree	Mangrove tree d. Its habitat is snow.			
	3 ····································			
B) Write the scientific	term:			
They are ants that ar	e responsible for finding food.			
- Illeg die dine	Question (3)			
A) Put (/) or (X):	Question (5)			
In an electric fan, the	e electrical energy changes into kinetic energy.()		
2 The fennec fox has)		
	the energy of a moving body. ()		
)		
4 Light travels in strai		,		
B) Give a reason for:	ne body of a chameleon is covered with colored scale	25.		
6 Alexa	ndria – Montazah Zone 2			
2 8 - 2)	Question (1)			
A) Choose the correc				
	animal that has the ability to turn its head in	all		
directions.				
	owl c. jerboa d. dolphin			
	cts the sensory receptors in the eyes causing vision	on.		
	. Kinetic c. Light d. Magnetic			
		2		

Final Revision	Illa a face	as except	
3 All the following of a. kicking a ball	are pulling force	b. lifting up a	ball
c. pulling the rope	0	d. gravity	
Animals commun			
a. writing	b. reading	c. talking	d. sound and li
B) Write the scientific		e of adaptation that	helps the animals h
(A) Put () or (X):	Questi	THE RESERVE OF THE PARTY OF THE	
1 The moon is a so	ource of light		(
2 When a roller coa		n the kinetic energ	au increases (
3 Nocturnal animals			
4 Transparent obje			
B) Cross out the odd	ATTENDED TO THE PARTY OF THE PA		e intestine - Esophag
A) CL	Questi		
A) Choose from colu	umn (A) what	t suits it in colu	mn (B):
Column (A)		Column (B)	
1 Speed 2 Small Intestine	a. The food gets digested completely in it.		
3 Ants		tance covered in u suring unit for long	
4 Kilometer	d. depend o	n their sense of sme	ell to communicate
1	3	4	
B) Choose the corre	ct answer:		The state of the s
		kwave truck the dr	rivers use
	peed of a Shoc		
- To slow down the sp parachutes.	peed of a Shoc	and the diseas, the di	
- To slow down the sp	peed of a Shoc	and the di	
- To slow down the sp	peed of a Shoc	and the di	(5 - 6 - 3

Alexandria - East Zone

Question (1)

A) Choose the corre	ect answer:		
A) Choose the corr	l starts in the		
1 Digestion	h lungs	c. mouth	d. stomach
a. esophagus	of a fen	nec fox allow(s) heat to escape and
2 The extra large	or dici	Tion to the contract of	
cool(s) the fox.	h face	c. ears	d. eyes
a. fur	b. face		orward in a collision.
3 A pr	otects the driver	s seathelt	d. tire
a. glass window	b. dashboard	C. Sediber	energy.
When an object	is moving faster,	it nas	d. no
	h more	C. 1633	
a. the same (B) Give a reason for:	None of the light	energy passes th	rough the opaque
			in carried a fe
objects.	Questio	on (2)	
(O == (V):			
(A) Put (\(\sigma \) or (\(\times \): 1 Exhausts from (ears and factories	don't affect pe	eople's health. ()
	fact massages L	iou are burely c	ware on
2 The reflexes are	lust messages g	nage as it hits th	ne small vehicle with
		lago de	()
the same speed The force of gro	d.	at pulls the obje	ects downward. ()
4 The force of gro	vity is the force in	colonu is low?	
(B) What happens	It: The lood in a	(2)	
	Questi		
(A) Complete the	following stater	ments:	Labitat
1 The white fur o	of the polar bear h	elps it wit	h the ice nabilal.
2 The moving co	ir is being slowed	down by a force	e callea lorce.
3 The	energy is a stor	red energy or th	e energy of position.
(B) Cross out the	odd word: Lungs	- Alveoli - Gills	- Diaphragm
Y			Science Prim. 4 - First Term 1050

8 Damnhour Governorate

	Quest			
(A) Choose the co	rrect answer:			
1 A panther cha		like a h	and.	
a. eyes		c. head	d. ear	
2 Motion is any o	change in the	relative to	a fixed start	ina noi
a. position		c. mass	d. volu	nwe a boilif
3 The speed of the	ne train that cove	ered 400 m in 2 s		
m/se				
a. 400	b . 100	c . 200	d . 2	
(B) What happens i	f: The diaphragn	n contracts and n	noves down	Wards
	Questi			
(A) Put (V) or (X):				
1 A fennec fox fee	eds on fruits only			with the
2 Potential energy is a form of stored energy.			()	
3 Thermal energy is a type of kinetic energy			()	
(B) Write the scient	tific term:	tic energy.		()
- The force that is exerted when objects rub against each other and it is				
. a force that oppos	ses motion.	cets fob against	each other	and it is
	Questio	n (3)		
(A) Complete and				
(A) Complete the fo	llowing senten	ices:		
1) The nervous syst	em of mammals	consists of the b	rain, nerves	and
2 Fireflies produce inside their bodies that allows them to				
commonicate.				
3 Batteries have potential energy in the form of stored				
4 Airbags inflate automatically when the in cars detect a crash.				
(B) Cross out odd wo	rd: Air - Water -	Wood - Glass		
106 Science Prim. 4 - First Term				

9 Menofia Governorate

(A) Complete the following sentence	es:
(A) Complete the Tono property to fin	d their food, but acacia trees warn
the other nearby acacia trees from	om animals by sending
the other recting the gir	
massages in the air.	communicate with each other.
2 Ants use their sense of to c	commonicate with each energy is a
2 Ants use their series of	energy, but light energy is a
energy.	
are from the safety	equipment of cars during collisions.
(B) What is the speed of a train that to	rayels 400 kilometers in 2 hours?
(B) What is the speed of a crain state	(2)
Question	(2)
(A) Choose the correct answer:	
1) Panting in fennec foxes belong to	adaptation(s).
a. structural	D. Deriavioral
a both behavioral and structural	d. neither structural nor behavioral
2 The force that is used to kick a bal	with your legs is a lorce.
b, push	c. sound
3 By increasing the speed of an obje	ect, its energy increase(s).
a. potential	b. kinetic
c. potential and kinetic	d. chemical
(B) Give a reason for: You can see cle	arly through your lenses.
Questio	n (3)
(A) Put (✓) or (X):	ves unward during inhalation. ()
1 The diaphragm contracts and mo	ves opward doming
Kapok trees have buttress roots.	
3 The battery stores chemical energ	
A rocket is affected by balanced f	orces, so it can move away from
Earth.	
(B) What happens if: The jerboas' leg	

10 Kafr El-Sheikh Governorate

			THE PROPERTY OF THE	
(A) Choo	se the cor	ect answer:		
1 Both	acacia tree	es and kapok tree:	s have the same	Mineral and the second state of
a. h	abitat	b. shape	c. roots	d. trunk
2	forces co	ause the moveme	nt of static objec	ts.
a. B	alanced	b. Unbalanced	c. Friction	d. Equal
(B) What	happens if	A boy on a bike	stops pedaling?	
		Question	1(2)	
(A) Put (V) or (X):			
1 The I	arge intestir	ne absorbs fat from	n waste.	
2 Peng	juins can sto	and on ice all day.		
3 A static object at the top of the ramp has no kinetic energy.				
4 Sound and light energies transfer in the air in the form of waves.(
(B) Write the scientific term:				
- The time taken by an organism's body to respond to danger.				
Question (3)				
(A) Compl	ete using t		THE SOLUTION OF THE SOLUTION O	
(A) Complete using the words between brackets: (light - sound - head - truck)				
1) Gills are found on both sides of the fish's				
2 The eye is the sensory organ that is affected by				
3 A has the biggest engine.				
4 Collision between moving objects always produces energy.				
B) Cross out the odd word: Brain - Lungs - Nerves - Spinal cord				
108 Science Prim. 4 - First Term				

11 Mansoura Governorate - Model (A)

The Best of the Control of the Contr	
(A) Choose the correct answer:	
DAICH III GOOT ST.	a kind of
(0000	
height of is one of the behavioral adaptations that he itself from enemies. (Camouflage - Extinction - In all the following are from the components of except the (spinal cord what is the kind of energy inside an object)	elps an animal protect migration - Reproduction) the nervous system, heart - brain - nerves)
Question (2)	
 (A) Put (/) or (X): 1 Adaptation does not help living organisms suitable 2 Unbalanced forces cause the motion of objection 3 Nocturnal animals have bigger eyes than human 4. If you took a bus and stopped suddenly on the will move backward. (B) Give a reason for: Fishing cats can hunt their Question (3) 	man's eyes. () the road, your body
	And the second second in the second
(A) Complete the following sentences: 1 On running and doing effort, the rate of you 2 is one of the safety means in a color 3 is the ability to do work. 4 Fireflies communicate by (B) Look at the light rays in figures A and B, which of them is an opaque object and which is a transparent one?	r breath ar. Figure (A) Figure (B)
Application of the control of the co	Science Prim. 4 - First Term 109

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12 Mansoura Governorate - Model (B)

Ques	tion (1)
Complete the following senten	ces with words between bracke
1 The processes and inte	rprets information. (spinal cord - brown reflects light better? (Wood
2 Which of the following surfaces	reflects light better? (Wood - Met fall towards the ground.
3 force helps objects to	fall towards the ground.
Torce ficips objects to	(Eriction
When the push force applied on	(Friction - Grav an object on a flat road increases,
when the positioned applied on	es kinotic aparqu of the chi
potential energy of the object increas	es - kinetic energy of the object increas
a bats can nont insects at right	depending on
	their strong sense of vision - the ec
Quest	tion (2)
ut (/) or (X):	
1) The diaphragm helps in the prod	cesses of inhalation and exhalation.(
2 Friction force acts in the same	direction of motion of the object.(
3 When a collision happens betw	veen two objects, they exchange the
energies.	
	on transfer occur only in humans.(
5 Desert plants are characterized	
Quest	ion (3)
hoose from column (A) what s	suits it in column (B):
Column (A)	Column (B)
1 The pencil falling towards the	a. light and thermal energies.
ground represents	b. help fish to extract the dissolve
2 Whales communicate by	oxygen in water.
3 In the large intestine,	c. a pull force.
The produced energies when	d. singing.
we turn on a lamp are	e. liquids are absorbed from the
5 Gills	undigested food.

13 Fayoum Governorate

	Question		
colors	b. codes	it down is a kin c. waves	d of d. lights
A bat is a	b. morning car stops sudden	c. harmful ly, the passenge	d. non-flying er's body moves to
the a. right The speed of a co	b. left ar that travels 100 b. 40	c. forward meters in 5 sec c. 100	d. backward onds is m/s. d. 200
	the ability to see in	n the dark beca	use of the presence
of	Questio	n (2)	
 (A) Put (/) or (X): The ear is the sensory organ responsible for seeing objects. The respiratory system is responsible for the entry of air into the body. Because of the seatbelt, the driver cannot see the road clearly. The chemical potential energy in the car fuel is converted into kinetic energy. (B) Write the scientific term: It's the body's main control center. (Question (3)) (A) Choose from column (A) what suits it in column (B): Column (B) 			
(A) Choose from co	olumn (A) what	suits it in cold	
Column (A) 1 Kinetic energy 2 Gravity 3 An owl 4 Gills	a. is an animal wib. are structural consimilar to that and its the gained end. is the force that	th a bowl-like fandaptations who of the lungs. ergy during the m	ce. se function is otion of an object.
(B) Look at the parays in figures Determine which opaque and which	(A) and (B). of the two objects i	is Figure	(A) Figure (B)
(A):(B):	(1,3313	

Dakahlia Governorate

	Question	n (1)	
(A) Choose the co		1 3 3 3 3	
1 Bats are	animals		
a. nocturnal	b. morning	c. non-hearing	d.non-flui
2 is t	the ability to do work.	P. 150	riging
a. Energy	b. Force	c. Push	d. Pull
3 All the followin	g are components of	f the nervous sys	tem, except
u. the spinal c	ord b. the heart	c. the nerves	d. the brain
4 The chemical	energy stored in batte	eries is considere	d a form of
(B) Give a reason	energy stored in batto nergy b. kinetic energ	y c. heat energy	d. light energy
	zards that live in rock		
		THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED	or for scales,
(A) Put (V) or (X):	Question	117	
1 In order for the	e code to be translate	d, the brain must	identifult (
a period	ills down from your ho	and, the acting fo	rce is the gravit
			, ,
Ine respiratory	y system is responsible	e for the entry of	air into the bodi
			1
time passes.	adle, the kinetic energ	y of the moving b	alls increases as
(B) What happens	if: Bats cannot use t	he echolocation r	ropertu2
	Question	(2)	roperty
(A) Choose from c	olumn (A) what au		The second
Column (A)	6	The same of the sa	(B):
Column (A)		Column (B)	
1 Kinetic energy 2 Thermal	a. is a form of energ	y that affects our	ears.
energy	b. is produced due to	o the friction betw	een the
3 Sound energy	moving balls of No. is the gained energi	ewton's cradle.	
	allowing senten	g during the motion	of an object.
(B) Complete the f	messages to the	from the two	brackets:
The eges send	messages to the		
2 The fat lauer un	der the animal's skip	(brain	- spinal cord)
adaptation.	nder the animal's skin		
(C) Calculate the sp	peed of a train that	(Structura	l - behavioral)
hours.		Sereis SOO KIIC	ometers in 5
112 Science Prim. 4 - First Term			

15 Beni Suif Governorate

A) Choose the correct answer: A) choose the correct answer: A) process.	
A) Choose and Choose a	
(inhalation - exhalation - digestion - excretion)	
2 You could determine how high the sound is by the of the sound.	
(type - pitch - style - echo)	
3 The system is responsible for the digestion of food.	
(respiratory - digestive - nervous - circulatory)	
The stored energy inside an object is called energy.	
(kinetic - thermal - potential - sound)	
B) Determine the type of adaptation (structural) or (behavioral):	
The panther chameleon puffs its body with air to appear bigger in size.	
Question (2)	
A) Complete using (brain - Carton - sharp spines - Gravity):	
1 Acacia trees have around their leaves to protect them if an	
animal tries to eat them.	
2 is an opaque object.	
3 force makes objects fall towards the Earth.	
4 The is considered the control center of the body.	
(B) What happens if: Balanced forces act on a static object?	
Question (3)	
(A) Put (/) or (X):	
1 The kinetic energy of an object decreases when its speed decreases.()	
2 Writing is a way of communication between animals. ()	
3 Energy is not destroyed, but it changes from one form to another. ()	
(B) Cross out the odd word: Speed - Energy - Distance - Time	
Science Prim. 4 - First Term 0 139	
Ostolios i i il i i i i i i i i i i i i i i i i	

16 Port Said Governorate

	The Part of the Pa	Market Ma	
(A) Choose the cor	rect answer:		
1 The presence o		is an adaptation	in
		b. polar bear	
c. fennec foxes		d. forest bear	
2 Fish use their	to bred	athe in water.	
a. tail	b. eyes	c. lungs	d. gills
3 When the obje between them.			is transferre
a. time	b. distance	c. energy	d. nothing
4 What force do !	you use to kick o	a ball with your leg	g?
a. Pull	b. Push	c. Sound	d. Light
(B) Write the scien	itific term:		
- It's a property by sound reflected f		an locate its prey	insects through the
(A) Put (\(\sigma \) or (\(\sigma \):	Questi	on (2)	
1 Animals that a animals.	are active during	g the daytime ar	re called nocturna
2 Eyes are conside	ered sensory orga	ans of light, not as s	ources of light. ()
3 Gravity pulls ob			()
4 Unbalanced for	ces cause a cha	nge in the object's	position. ()
(B) Write the name			
- An animal that co			
和国际企业的。	Questi	On (5)	
(A) Complete the f	ollowing sente	TO COOK	na 1949 Mariana Baratana (1949)
1 The leaves of			
			utrients from food.
		quipment which ar	
4 When the speed			
(B) What is the typ	e of adaptatio	n? Tan-colored fur	of fennec foxes
Science Prim 4 - First Term			

17 Ismailia Governorate

(A) Complete the following statements: (A) An Arctic fox has ears to help it stay warm. 1 An Arctic fox has ears to help it stay warm. 2 The spinal cord belongs to the system. 3 The force that pulls things down to the ground is 4 The form of energy that can be seen is energy. (B) Give a reason for: A jerboa has long, hind legs. (C) Question (2)
 (A) Write the scientific term: They're the materials that allow light to pass through. It's the process in which two objects crash into each other. They're the characteristics that help living organisms survive and reproduce. It's the force exerted when objects rub against each other. (B) What happens if: You place an opaque object between a light source and a wall? Question (3)
(A) Choose the correct answer: 1 All the following are organs of the respiratory system, except the
 a. nose b. lung c. trachea d. large intestine The chemical energy stored in batteries is considered a form of energy. a. notential b. kinetic c. heat d. sound
a. potential B. Kinetic B. Kinetic B. Kinetic C. sound C. sound C. sound C. sound C. sound D. kinetic C. sound C. sound C. sound C. waves C. waves C. waves C. waves
(B) Cross out the odd word: Owls - Fishing cats - Bull sharks - Bats Science Prim. 4 - First Term (115)

18 Red Sea Governorate

(A) Choose the correct answer:	5
1 Fish breathe oxygen gas dissolved in water through their	
(skin - gills - lungs - ta	
is one of the opaque objects that doesn't allow light to pass	;
through. (Glass - Air - Water - Carton pape	
3 All the following from the components of the nervous system, excep	
the (spinal cord - heart - nerves - brai	
4 Objects fall down towards the Earth's center by the force of	
(gravity - pushing - friction - pull and pus	
(B) Why are some animals able to see in the dark?	
Because	
Question (2)	
(A) Complete from the brackets below:	
1 The organ that is responsible for sight is the (ear - ey	e)
2 When the speed of an object increases, its energy increases	- 2
(kinetic - potentic	
3 The is a tube that has muscles to move the food down into	
the stomach. (trachea – esophagu	
4 When an electric lamp is turned on, energy is produced.	
(light - chemico	11)
(B) What happens if: Light falls on a shiny, smooth surface like a mirror?	
Question (3)	
(A) Put (/) or (X):	
1) A fennec fox live in a polar region.)
2 The sense of hearing of dolphins is stronger than that of humans.()
3 Energy is the ability to do work.)
)
(B) Acacia trees have very long roots to search for water.	
Mention the type of adaptation.	
	1

19 Sohag - Al-Azhar Al-Sharif

Choose the correct answer:		
1 The system is responsible for supplying the body with oxygen		
and getting rid of carbon dioxide gas.		
a. nervous b. respiratory c. d	igestive d. motor	
2 Light rays scatter when they reflect from	n	
a. the lenses of glasses b. a c. a mirror d. a	metallic surface	
3 When a car moves down a hill,	wooden board	
a. potential energy changes to kinetic e	ppergu	
b. kinetic energy changes to potential e	energy	
c. no energy change happens d. th	ne car doesn't have energy at all.	
Put (√) or (X):	33	
1 Speed transfers when collision occurs b	etween a ball and a bat.()	
2 A part of the kinetic energy is convert	ed into sound energy during	
collision.	()	
3 Soldier ants communicate by sending smelly messages when in		
danger.	()	
Question (2)		
) Complete using the words: structural - co	lored scales - whale - reflection	
1 A panther chameleon has to hide and hunt.		
2 A communicates by singing.		
3 The thin layer existing in the eyes of no	cturnal animals is an example	
of adaptation.		
) Correct the underlined words:		
1 The spinal cord is the main control organ in the body.		
2 Matter is the force which pulls objects down towards the Earth.		
3 Opaque objects allow light to pass through them.		
Question (3)		
Choose from column (A) what suits it in cloumn (B):		
Column (A)	Column (B)	
1 The small intestine	a. dense fur.	
	b. work.	
2 Animals that live in cold regions have	c. digests food completely.	
3 When you kick a ball, you are doing	- digests lood completely.	

Assuit

Question (1)	
(A) Complete these sentences with words between brackets	
1) If a plant is living in desert, its roots are	
(long and thick – weak and s	hort)
2 The system which is responsible for reflexes is the system	n.
(digestive - nerv	OUS)
3 Objects fall on the ground because of	
(gravity - fric	tion)
Any static object lying at a height from Earth's surface has	
energy. (thermal - poter	ntial)
(B) Mention the type of adaptation in bird immigration.	
Question (2)	
(A) Put (\(\sigma\)) or (\(\times\):	
1 All animals have the ability to see at night.	()
2 If the brain cannot recognize a code, it can translate this code. (()
3 The object moves at a great speed if it is pushed by a great force.	
When the car stops suddenly, your body moves backward. (()
(B) Write the scientific term:	
It's the object that allows light to pass through it.	
Question (3)	
(A) Complete using the words below:	
(collision - unbalanced - hearing - exhalation)	
1 During process, the diaphragm relaxes.	
2 The forces that act on a static object and cause its motion are	
forces.	
3 Dolphins have a super sense of	
(B) Cross out the odd word:	
Penguin - Polar bear - Agama lizard - Arctic fox	

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Government Exams Model Answers

	Model An	swer	S
1 ca	airo – Official La	inguage	Schools
Ques	tion ①		
A) 1	c 2 c	(2) b	4 a
B) Co			
	tion 🙆		
	X 2 X	3 /	4 ×
	The moon	6 -	
	Flashlight	2 Firef	lies
	tion (3)		
-	c 2 a	3 b	
	nimals have a su		sense:
	shing cat		
An	nimals have a su	per heari	ng sense:
Do	olphin and bat		
9	16.00		
	Cairo - Al-Az	nar AI-S	harit
	tion 🕕		
1 b	2 a	3 b	4 d
	tion 2 x	2	
1 X		3 /	4 X
	tion 🕙		
1 b		3 C	4 a
., .			
3	Giza - Al-Az	har Al-Si	harif
ues	tion 🕕		
A) 1	a structural	2 man	nmals
3	Eyes and brain	4 Push	
	friction force		
		2 Touc	
	Gravitational po	otential e	nergy
	tion 🙆	2 (41
A) 1		3 1	4 4
5			
	Science	Prim. 4 - First	Term 01410

Model Answers Question (6) 2 Lungs (B) 1 Saliva 3 d (A) 1 b 2 a 4 Fireflies 3 Dolphins (B) 35 Light energy 7 Alexandria - East Zone Al Qalvubia Question 1 Question 1 (A) 1 c 2 c (A) 1 c 2 c (B) Because opaque objects may reflect (B) A reflex action occurs, and you move most of the falling light and absorb your feet away. the some of it. Question (2) Question 🕙 (A) 1 X 2 \ (A) 1 x 2 / 3 / (B) Transparent object (B) Nurse ants send a smelly message Question (to scout ants to find food. (A) 1 light energy 2 decreases Question 6 4 flashes of light 3 hearing 2 friction (A) 1 blend in (B) Chemical energy 3 potential 5 Alexandria - Montazah Zone 1 (B) Gills Ouestion 1 **Damnhour Governorate** 4 b (A) 1 a 2 0 Question 1 (B) Stomach Question 2 (A) 1 b 2 a 3 C (B) The chest size increases, and oxygen 4 a (A) 1 b 2 c 3 d (B) Scout ants gas enters the body. (Inhalation occurs.) Ouestion (Question (2) (A) 1 X 2 / (A) 1 / 2 X 3 X (B) To blend in with the green leaves (B) Friction force and colorful flowers of trees in the **Ouestion** (3) rainforest, to hide from its prey or (A) 1 spinal cord predators. 2 chemical reactions 3 chemical energy 4 sensors 6 Alexandria - Montazah Zone 2 (B) Wood **Ouestion** 9 Menofia Governorate (A) 1 b 2 c 3 a 4 d Question 1 (B) Camouflage Question 2 (A) 1 echolocation, smelly 2 smell 3 potential, kinetic (A) 1 X 2 / 4 Airbags, seatbelts (B) Diaphragm (142) Science Prim. 4 - First Term

(B) Speed = Distance ÷ Time = 400 ÷ 2 = 200 km/hr. Question 2 (A) 1 b 2 b 3 b (B) Because the lenses are transparent materials that allow light to pass through. Question (3) 3 / 4 X (A) 1 X 2 V (B) It can't hop for long distances, so it can't escape from its enemies. 10 Kafr El-Sheikh Governorate Question 1 (A) 1 b 2 b (B) The bike's speed decreases till it stops. Question 2 (A) 1 X 2 X (B) Reaction time Question (3) 2 producing light (A) I head 4 sound 3 truck (B) Lungs 11 Mansoura Governorate - Model (A) Question 1 (A) 1 codes 2 150 cm 3 Camouflage 4 heart (B) Potential energy Question 2 (A) 1 x 2 / 3 / 4 x (B) Because their eyes have a mirrorlike membrane that reflects any light falling on them. Question (3) (A) 1 increases 2 Airbag, (seatbelt) 3 Energy 4 light (B) Figure (A) is an opaque object. Figure (B) is a transparent object.

12 Mansoura Governorate - Model (B) Question 1 1 brain 2 Metals 3 Gravity 4 kinetic energy of the object increases 5 the echo Question (2) 1 / 2 X 3 / 4 X 5 X Question 6 1 C 2 d 5 b 13 Fayoum Governorate Question 1 (A) 1 b 2 a 3 c 4 a (B) a mirror-like membrane Question 2 (A) 1 X 2 / 3 X (B) Brain Question (5) (A) 1 c 2 d 3 a (B) Figure (A) is an opaque object. Figure (B) is a transparent object. 14 Dakahlia Governorate Question 1 (A) 1 a 2 a 3 b (B) To hide among the colorful rocks. Question (2) (A) 1 / 2 / 3 / 4 X (B) They can't locate their preys at dark Question (3) (A) 1 c 2 b 3 a (B) 1 brain 2 structural (C) Speed = Distance ÷ Time = 500 ÷ 5

= 100 km/hr.

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Red Sea Governorate Beni Suif Governorate 18) Question 1 Question 1 (A) 1 gills 2 Carton paper 3 heart 4 gravity (A) 1 inhalation 2 pitch digestive 4 potential (B) Behavioral (B) Because they have a mirror-like membrane at the back of their eyes Question (2) that reflects the light falling on it. (A) 1 sharp spines 2 Carton 3 Gravitu 4 brain Question 🕙 (B) It will not move. (A) 1 eue 2 kinetic 3 esophagus 4 liaht Question (6) (B) It is reflected in the same direction. (A) 1 / 2 X 3 / (E) Energy Question (6) (A) 1 X 2 / 3 / **Port Said Governorate** (B) Structural adaptation Question 🚺 19 Sohag - Al-Azhar Al-Sharif (A) 1 b 2 d 3 C 4 b (B) Echolocation Question 1 (A) 1 b 2 d 3 a Ouestion (2) (B) 1 X 2 \ 3 / (A) 1 x 2 / 4 / 3 X Question 🕗 (B) An owl (A) 1 colored scales 2 whale Question (3 structural (A) 1 kapok 2 digestive (B) 1 brain 2 Gravitu 3 Airbag 4 kinetic 3 Transparent (B) Structural adaptation Question (5) 1 c 2 a 3 b 17 Ismailia Governorate Question 1 20 Assuit (A) 1 short 2 nervous Question 1 3 gravity 4 light (A) 1 long and thick 2 nervous (B) To jump for long distances to escape 4 potential 3 gravity from its enemies. (B) Behavioral adaptation Question (2) Question 🕙 (A) 1 Transparent materials (A) 1 X 2 X 3 / 2 Collision 3 Adaptations (B) Transparent object 4 Friction force (B) A shadow is formed. Question (6) (A) 1 exhalation 2 unbalanced Question (6) 3 hearing 4 b (A) 1 d 2 a 3 a (B) Agama lizard (B) Bull sharks

Exams 2023

Model (1)

1 Choose th	e correct ansv	ver:		
1 The lea	ves of most des	sert plants are	······•	
c. broo	large and broad and have the		b. are small and h	ly
a. A tro b. The	ain moving on	rails. the moon around Ear		
	appens to orga mental conditi	nisms that do not have ons?	methods that help t	hem adapt to
c. The	ir number incr y remain the s biodiversity o		b. They extinct.	
4 The org	an which is res	ponsible for the sense of	of sight is the	
a. ear		b. eye	c. nose	d. skin
5 Which	of these materia	als reflects light better?		
a. Woo	od	b. Mirror	c. Plastic	d. Cardboard.
6 Which	of the following	examples represents a	pull force?	
	attraction of t player kicks t	the Earth to an object he ball.	. b. Pushing a box t d. The goalkeepe	
7 The en	ergy produced	when the electric heate	er is turned on is the	energy.
a. elec	trical	b. sound	c. thermal	d. chemical
8 Fish bree	eathe the disso	lved oxygen in water th	rough	
a. skin		<mark>b</mark> . lungs	c. gills	d. stomach
🥦 To calcu	late the velocit	y of a body, we need to	know	
c. ener	ance only gy and time		b. time only d. distance and tir	
		ns that represent the ce	·	
	ebellum and t sensory and n	he vertebral column. notor system.	•	l the brain. nedulla oblongata.

الصف الرابع الابتدائي

2 Complete the following sentences using the given words:	
(respiratory – balanced - digestive - movements - structural - behavioral - 4 - 1	00 - unbalanced)
Bees are similar to humans in communicating through	
A body that travels a distance of 20 meters in 5 seconds, so its speed is	m/s.
3 Whenforces act on a static body, it will move.	
4 Migration of birds to warm places is an example of adaptation.	
5 The system that digests food and obtains nutrients is system.	
3 Put (\checkmark) or (X) in front of each of the following sentences:	
1 Communication between ants is through their sense of smell.	()
2 Human has tapetum lucidum in his eye to help him see at night.	()
The energy stored in the battery is called chemical potential energy.	()
When the speed of a body decreases, its kinetic energy increases.	()
5 The nervous system works separately from the senses.	()
4 Write the scientific term for each of the following sentences using the give	en words:
(Friction - Kinetic energy - Energy - Adaptation - Response tir	ne)
1 A distinctive feature of an organism that helps it to survive.	()
2 The time taken by a body to receive information from the environment, and	then processes
it and responds to it.	()
3 A force that arises between the surfaces of two bodies in contact and slows	down their
motion.	()
4 The ability to do work.	()
5 The energy possessed by the body due to its motion.	()
5 Choose from column (B) what suits in column (A):	
(A)	(B)
1 The visible form of energy that is transmitted in the form of waves is energy.	() Language.
2depends on sound bounce in locating the prey.	() light.
3 energy is stored in food.	() unbalanced.
When a rocket is launched and is able to leave the planet, because it is	() Chemical.
affected by forces.	
5is a code in the form of sounds to convey information.	() Bat.

Model (2)

1 Ch	noose the correct answ	/er:			
1	The eyes narrow involu	untarily to avoid sudde	n bright light, what a	are the two organs	
	responsible for this?				
	a. Nervous and musc	cular.	b. Nervous and re	espiratory.	
	c. Circulatory and m	uscular.	d. Circulatory an	•	
2	Digestion of food begi		_	, -	
	a. anus	b. stomach		d. large intestine	
3	helps the	human being to maint			
	a. eroding the soil		b. planting trees		
	c. cutting trees			rban communities	
4	Which of the following	cases represents the t	_		
	organs to the nervous			J	
	a. When you take yo		ject.		
	_	after hitting the tabl			
	•	bleeds after being inj			
	d. When your finger			•	
5	A boat moves a distan	ce of 30 meters in a tin	ne of 10 seconds, so i	ts speed is m/s.	
	a. 3	b . 10	c. 30	d. 300	
6	6 Which statement explains why you see your reflection when you look in the mirror?			ook in the mirror?	
	a. The light is refracted when it passes through the mirror.				
	b. The light is reflected back from the mirror.				
	c. The light is refracted and bounced off the mirror.				
	d. The light is reflect	ed when it passes thr	ough the mirror.		
7	The class students play	tug-of-war in the cou	rtyard, and there are	ten students on both sides	
	of the rope, what indic	ates that none of them	n moved?		
	a. One team has mo	re energy than the of	her.		
	b. One team has half	f the energy of the ot	her team.		
	c. Both sides have eq	ual and opposite for	ces in direction.		
	d. Both teams have u	inequal and opposite	forces in direction.		
8	You can determine the	roughness of a sound	by		
	a. pitch		b. type of sound		
	c. echo		d. pattern and ty	pe of sound	
9	Which of the following	allows light to pass th	rough?		
	a. Wood.	b. Glass.	c. Metal.	d. Wall.	
10	Among the examples of enemies are	•	ons that help an anim	nal to protect itself from	
	a. extinction	b. migration	c. reproduction	d. camouflage	

2 Complete the following sentences using the given words:	
(chemical - thermal - exhalation - inhalation - kinetic - position - ec	:ho - friction)
1 The dolphin can locate objects through echolocation by	
When objects fall downward, the energy stored in them is converted into	
3 The diaphragm muscle contracts and moves down during the process of	•
When you ride your bike, theenergy which is stored in food in converted into kinetic energy.	nside your body is
5 The force that reduces the speed of a body and affects in the direction op motion is	posite to its
3 Put (✓) or (X) in front of each of the following sentences:	
1 Plants need long roots that extend deep into the soil to survive in the water scarci	ity environment. ()
2 The number of breathing times decreases when doing activities and make	ing effort. ()
3 As the force acting on a body increases, the distance it moves increases.	()
4 Some insects can communicate by sending flashes of light.	()
We can see things around us as a result of refraction of light.	()
4 Determine the type of adaptation whether "structural or "behavioral":	
1 The buttress roots of some plants.	()
2 The beaks of some birds are sharp and strong to tear the flesh of prey.	()
3 Some animals hide in burrows to avoid the intense summer heat.	()
4 The presence of gills in fish to help them breathe in water.	()
5 Frogs hibernate to avoid the extreme drop in temperatures.	()
5 Give an example for each of the following:	
1 Transparent material.	
Technological communication systems.	
3 A device that converts electric energy into light and heat energy.	
4 An animal has the ability to turn its head in all directions.	
5 Pushing force.	

Model (3)

CL	noose the correct answ			
1	When gasoline is burn	ed, the stored chemical	l energy is released i	n the form of
	a. smokes		b. carbon dioxide	gas
	c. spark		d. heat	
2	What kind of surfaces	scatter the light randon	nly?	
	a. Shiny.	b. Rough.	c. Smooth.	d. Transparent.
3	The antelope that lives	in the vast plains adap	ts by	
	a. thick fur that help	s to keep warm in wir	nter	
	b. long legs that hel	p it to run quickly		
	c. bright colors help	him to attract the otl	ner sex	
	d. a strong outer she	ell protects it		
4	Humpback whales use	e singing for	•	
	a. warming		b. hiding from end	emies
	c. mating and feeding	g	d. having fun with	n whales
5	The organ that process	ses and interprets infor	mation similar to a c	omputer is
	a. spinal cord	b. skin	c. brain	d. nerves
6	The movement of a sa	ilboat in the water by th	ne action of the air is	force.
	a. pull	b. push	c. friction	d. gravity
7	As the time taken to tr	avel a certain distance i	increases, the speed	of the body
	a. increases	b. does not change	c. decreases	d. doubles
8	is the sens	e that you use to ident	ify the smell of a per	fume.
	a. Taste	b. Sight	c. Smell	d. Hearing
9	The juices of the liver a	and pancreas are poure	d into	
	a. the stomach		b. the small intes	tine
	c. the large intestine		d. the mouth	
10	The tapetum lucidum	is one of the	adaptations that e	enable some animals to see
	in the dark.			
	a. structural	b. behavioral	c. (a and b)	d. no correct answer

2 Complete the following sentences using the given brackets:	
1 The echo sound feature depends on thesense.	(smelling – hearing)
2 The time taken to receive information from the environment and resp	ond to it is
called (read	ction time - speed time)
3 Electric wires transmitenergy to homes and streets.	(chemical - electric)
The force that causes the fruits to fall from the tree downwards is the	
	pushing force - gravity)
5 Fish use to extract dissolved oxygen in the water.	(lungs - gills)
3 Correct the underlined words:	
1 Cows have sharp teeth suitable for eating grass.	()
2 When the body reaches its maximum height, it stores maximum kines	ic energy.
	()
3 The bowl-like face of an owl is an example of <u>behavioral</u> adaptation.	()
4 Sound is the visual form of energy that is transmitted in the form of w	raves. ()
5 When the body speed increases, its kinetic energy decreases.	()
4 Choose from column (B) what suits in column (A):	
(A)	(B)
1 When an unbalanced force is applied to a static body.	() Diaphragm.
When the wall opposes a moving car and stops it.	() Nerves.
3 Wood is an	() Opaque material.
4 Carry messages from the brain and spinal cord to the rest of the body.	() it starts to move.
5 A large muscle that helps in the inhalation and exhalation processes.	() it is a friction force.
5 Determine the type of the energy in each of the following cases:	
1 Energy stored in batteries.	()
2 The energy produced when the electric heater is turned on.	()
3 Energy stored in a ball at the top of a ramp.	()
The energy of a player while running.	()
5 The energy generated when the radio is turned on.	()

Model (4)

) Ch	oose the correct answ	ver:		
1	Which of the following	is a source of light?		
2		. Which device received		d. The mirror. neard the sound of a car g signal that enabled Ramy
	a. The circulatory sys	stem.	b. The excretory	system.
	c. The muscular syste	em.	d. The nervous sy	stem.
3	Fatima pushes a big bo	ox and Ezz comes to he	lp her.	
	How does this change	the force and the dista	nce moved by the b	ox? 🥌 🏯 🗫
	a. It does not change	e the force or the dist	ance.	7
	b. The force increase	s and distance decre	ises.	
	c. The force and dista	ance increase.	d. Its force decreas	es, its distance increases.
4	The system responsible	e for digesting food and	d supplying the body	y with nutrients is
5	a. respiratoryBats use their sense of	b. digestive to reach the	c. excretory	d. nervous litting objects
	a. sight	b. smell	c. hearing	d. taste
6	Which of the following the leaves of trees?	helps reptiles, such as	the panther chamel	eon, to hide among
	a. Colored scales.	b. Brown fur.	c. Short legs.	d. Golden fur.
7	The energy stored in a	compressed spring is c	considered	energy.
8	a. chemicalThe unit that measures		•	d. electric
9	a. seconds/meterWhat happens to the k	· ·	•	d. meter/kilometer
	a. It converts to sour	nd and heat energy	b.It converts to se	olar and potential energy
	c. Some of the energ	y is lost and some of	it turns into sound	energy
	d. Some energy is los	st and some energy to	urns into chemical (energy
10				en humans and animals.
	a. Mobile phone	b. Paintings	c. Flashes	d. Writing

الصف الرابع الابتدائي

2 Complete the following senten	ces using the given brackets:			
1 Thein the mouth moistens the food to facilitate its digestion and swallowing.				
		(tongue – t	eet	h)
2 The materials trans	nsmit light through them.	(transparent – opa	aqu	e)
The gravitational force is the f	orce ofand its direction is always	down towards the e	eart	h.
		(pull – Į	ous	h)
4 A car that travels 80 km in two	o hours is moving at a speed of	km / h. (40	- 2	0)
5 The alveoli inare	surrounded by a network of blood ves	sels through which		
gases are exchanged betweer	n blood and air.	(trachea -two l	ung	JS)
3 write True or False:				
1 When animals dig tunnels it is	s a form of structural adaptation.		()
2 Meat-eaters animals have long	g digestive systems.		()
3 The body's potential energy in	ncreases as it rises above the Earth's sui	face.	()
Energy transformations don't	occur when food is cooked.		()
6 Objects move a great distance	e when pushed with great force.		()
4 Write the scientific terms using	the given words:			
(speed – potential energy - r	eflexes - communication system – st	ructural adaptatio	n)	
1 A change that occurs within t	he structure of the living organisms' bo	dies. ()
A group of devices work togethe	er to transfer information from one place to	another. ()
3 The distance traveled per unit	time.	()
The stored energy inside the k	oody.	(•••••)
6 Messages that the nervous syst	tem sends quickly and you cannot contro	ol them. (•••••)
5 Choose from column (B) the ser	nsory information that suits each sen	se organ in colum	n (<i>F</i>	\):
(A)	(B)			
1 The hand	() Light coming from an open wind	ow.		
2 The eyes	() The bad smell.			
3 The tongue	() Heat from a hot stove.			
The ears	() Sour lemon taste.			
5 The nose	() Noise coming from the car loudspea	ker.		

Model (5)

1	Choose	the	correct	answer:
	CITOUSC	-	COLLECT	diiswei.

- 1 What is the energy transformation when riding a bike?
 - a. Thermal energy converts into potential energy.
 - b. Chemical energy converts into kinetic energy.
 - c. Solar energy converts into chemical energy.
 - d. Kinetic energy converts into nuclear energy.
- Which of the following can store energy?
 - a. Battery.
- b. Wire.
- c. Plastic.
- d. electric lamp.
- What is the necessary mathematical relationship to calculate the velocity?
 - a. distance ÷ time
- b. time ÷ distance c. mass ÷ time
- d. time ÷ mass
- 4 The leaves help plants absorb sunlight.
 - a. small
- b. broad
- c. triangular
- d. spiny
- 5 The diaphragm muscle contracts and moves downwards during the process.
 - a. inhalation
- b. exhalation
- c. digestion
- d. feeding
- - a. sight
- b. smell
- c. hearing
- d. taste
- 7 Which of the following allows light to pass through it?
 - a. Wood.
- b. Glass.
- c. Metal.
- d. Wall.

- The opposite figure represents force.
 - a. pushing

b. pulling

c. gravity

- d. friction
- Each of the following represents kinetic energy except —



- a. vibration of particles of the substance during heating
- b. the movement of sound or light waves in the air
- c. the movement of electrons inside a wire
- d. a ball stuck to the top of a tree
- - a. light
- b. sound
- c. smell
- d. movement

2 Complete the following sentences using the given brackets:	
1 The velocity of a body increases when the time taken to cover a ce	ertain distance
	(increases - decreases)
2 The main source of light on the Earth's surface is the	(sun – fire)
3 The blood transports from the lungs to all the cells of	the body.
(oxyge	n gas - carbon dioxide gas)
The amount of energy required to move a body through the force	acting on it is known
as	(work - force)
When you knock on the door, theenergy changes int	
(kinetic -	sound / kinetic - potential)
3 Correct the underlined words:	
1 The spinal cord is the main control center in the human body.	()
Fish breathe the dissolved oxygen in water through the skin.	()
3 One of the negative effects of water pollution on humans is chest	disease. ()
4 A ball that rolls on a ramp gradually its potential energy increases	as it falls. ()
When <u>balanced</u> forces act on a static body, it moves.	()
4 Choose from column (B) what suits in column (A):	
(A)	(B)
1 A pattern has meaning	() The friction force
2 A force arises between two touching surfaces.	() Its speed increases
3 The light property helps us to see our image in mirror	() Chemical energy
4 The stored energy in gasoline	() Light reflection
When the applied force on object increases ,	() The code
5 Classify the following into (structural or behavioral) adaptation:	
1 The presence of sharp thorns in some desert plants.	()
2 The varied diet property in some animals.	()
3 The activity of bats at night to search for food.	()
4 Sharp teeth in predators.	()
5 The eyes of the panther chameleon move in different directions.	()

Model answer (1)

100	hoose the correct answ	ver:					
(1 The leaves of most desert plants are						
	a. are large and bro	ad	b. are small and h	nave thorns			
	c. broad and have th	orns	d. lose water easi	ily			
(2 Which of the following	ng examples of moveme	ent cannot be observ	ved?			
	a. A train moving on	rails.					
	b. The movement of	the moon around Ear	rth.	th.			
	c. A ball moving in t	he air.	d. A pen falling d	own.			
(What happens to organisms that do not have methods that help them adapt to environm conditions?						
	a. Their number incrc. They remain the s		b. They extinct.				
	d. The biodiversity of the ecosystem increases.						
	4 The organ which is responsible for the sense of sight is the						
	a. ear	b. eye	c. nose	d. skin			
	5 Which of these mater	rials reflects light better	?				
	a. Wood.	b. Mirror.	c. Plastic.	d. Cardboard.			
(6 Which of the following	g examples represents	a pull force?				
	a. The attraction of t	he Earth to an object	. b. Pushing a box to move it.				
	c. The player kicks the ball.		 d. The goalkeeper stops the ball. 				
	7 The energy produce	d when the electric hea	ter is turned on is the energy.				
	a. electrical	b. sound	c. thermal	d. chemical			
	8 Fish breathe the disse	olved oxygen in water t	hrough				
	a. skin	b. lungs	c. gills	d. stomach			
	To calculate the veloc	ity of a body, we need t	o know				
	a. distance only		<mark>b</mark> . time only				
	c. energy and time		d. distance and time				
(n What are the two org	ans that represent the	central nervous syste	em?			
	a. Cerebellum and t	he vertebral column.	b. Spinal cord and	d the brain.			
	c. The sensory and motor system.		d. The brain and medulla oblongata.				

2 Complete the following sentences using the given words:

(respiratory – balanced - digestive - movements - structural - behavioral - 4 - 100 - unbalanced)

- 1 Bees are similar to humans in communicating through movements.
- 2 A body that travels a distance of 20 meters in 5 seconds, so its speed is 4 m/s.
- **3** When unbalanced forces act on a static body, it will move.
- 4 Migration of birds to warm places is an example of behavioral adaptation.
- 5 The system that digests food and obtains nutrients is digestive system.

3 Put (✓) or (X) in front of each of the following sentences:

- Communication between ants is through their sense of smell.
 Human has tapetum lucidum in his eye to help him see at night.
 The energy stored in the battery is called chemical potential energy.
 When the speed of a body decreases, its kinetic energy increases.
 The nervous system works separately from the senses.
- 4 Write the scientific term for each of the following sentences using the given words:

(Friction - Kinetic energy - Energy - Adaptation - Response time)

- 1 A distinctive feature of an organism that helps it to survive. (Adaptation)
- 2 The time taken by a body to receive information from the environment, and then processes it and responds to it.
 (Response time)
- 3 A force that arises between the surfaces of two bodies in contact and slows down their motion.
 (Friction)
- 4 The ability to do work. (Energy)
- 5 The energy possessed by the body due to its motion. (Kinetic energy)

5 Choose from column (B) what suits in column (A):

(A)	(B)
1 The visible form of energy that is transmitted in the form of waves isenergy.	(<mark>5</mark>) Language.
2depends on sound bounce in locating the prey.	(<mark>1</mark>) light.
3 energy is stored in food.	(4) unbalanced.
4 When a rocket is launched and is able to leave the planet, because it is affected by forces.	(3) Chemical.
5is a code in the form of sounds to convey information.	(<mark>2</mark>) Bat.

Model answer (2)

1

Choose the correct ans	swer:					
1 The eyes narrow involuntarily to avoid sudden bright light, what are the two organs						
responsible for this?						
a. Nervous and mu	ıscular	b. Nervous and r	espiratory			
c. Circulatory and	muscular	d. Circulatory an	d respiratory			
2 Digestion of food b	egins in the mouth and	ends in the	·········•			
a. anus	b. stomach	c. small intestine	d. large intestine			
3helps t	he human being to mai	ntain the ecological s	system.			
a. eroding the soil		b. planting trees				
c. cutting trees		d. building new u	rban communities			
Which of the follow	ing cases represents the	transmission of a m	essage from the sense			
organs to the nervo	ous system?					
a. When you take <u>u</u>	your hands off a hot ob	oject.				
b. When you screa	m after hitting the tab	le.				
c. When your finge	r bleeds after being in	jured.				
d. When your finge	er touches the spines o	of an aloe vera plant	t.			
6 A boat moves a dist	tance of 30 meters in a ti	me of 10 seconds, so	its speed ism/s.			
a. 3	b . 10	c. 30	d. 300			
6 Which statement ex	kplains why you see you	r reflection when you	ı look in the mirror?			
a. The light is refro	icted when it passes th	rough the mirror.				
b. The light is reflected back from the mirror.						
c. The light is refra	cted and bounced off t	the mirror.				
d. The light is refle	cted when it passes th	rough the mirror.				
7 The class students play tug-of-war in the courtyard, and there are ten students on both sides						
of the rope, what in	dicates that none of the	em moved?				
a. One team has m	ore energy than the o	ther.				
b. One team has half the energy of the other team.						
c. Both sides have	c. Both sides have equal and opposite forces in direction.					
d. Both teams have	e unequal and opposite	e forces in direction.	•			
8 You can determine	the roughness of a soun	•				
a. pitch		b. type of sound				
c. echo		d. pattern and ty	pe of sound			
	ing allows light to pass t	•				
a. Wood.	b. Glass.	c. Metal.	d. Wall.			
Monog the examples of behavioral adaptations that help an animal to protect itself from						
enemies are		والمعادية والمستوان	d compuelle se			
a. extinction	b. migration	c. reproduction	d. camouflage			

2 Complete the following sentences using the given words:

(chemical - thermal - exhalation - inhalation - kinetic - position - echo - friction)

- 1 The dolphin can locate objects through echolocation by echo.
- 2 When objects fall downward, the energy stored in them is converted into kinetic energy.
- 3 The diaphragm muscle contracts and moves down during the process of inhalation.
- 4 When you ride your bike, the chemical energy which is stored in food inside your body is converted into kinetic energy.
- 5 The force that reduces the speed of a body and affects in the direction opposite to its motion is friction.

3 Put (√) or (X) in front of each of the following sentences:

- 1 Plants need long roots that extend deep into the soil to survive in the water scarcity environment. ()
- 2 The number of breathing times decreases when doing activities and making effort. (X)
- 3 As the force acting on a body increases, the distance it moves increases. (✓)
- Some insects can communicate by sending flashes of light.
- **5** We can see things around us as a result of refraction of light. (X)

4 Determine the type of adaptation whether "structural or "behavioral":

- 1 The buttress roots of some plants. (Structural adaptation)
- 2 The beaks of some birds are sharp and strong to tear the flesh of prey. (Structural adaptation)
- Some animals hide in burrows to avoid the intense summer heat. (Behavioral adaptation)
- 4 The presence of gills in fish to help them breathe in water. (Structural adaptation)
- 5 Frogs hibernate to avoid the extreme drop in temperatures. (Behavioral adaptation)

5 Give an example for each of the following:

1 Transparent material.

Glass

2 Technological communication systems.

Cell phone

3 A device that converts electric energy into light and heat energy.

Electric light bulb

4 An animal has the ability to turn its head in all directions.

Owl

9 Pushing force.

Kicking a ball

Model answer (3)

1 c	hoose the correct ansv	ver:				
	1 When gasoline is burned, the stored chemical energy is released in the form of					
	a. smokes		b. carbon dioxide	gas		
	c. spark		d. heat			
	What kind of surfaces	s scatter the light rando	omly?			
	a. Shiny	b. Rough	c. Smooth	d. Transparent.		
	3 The antelope that live	es in the vast plains ada	pts by			
	a. thick fur that help	s to keep warm in wii	nter			
	b. long legs that help	o it to run quickly				
	c. bright colors help	him to attract the ot	her sex			
	d. a strong outer she	ell protects it				
	4 Humpback whales use singing for					
	a. warming		b. hiding from enemies			
	c. mating and feeding		d. having fun with whales			
	5 The organ that processes and interprets info		rmation similar to a computer is			
	a. spinal cord	b. skin	c. brain	d. nerves		
	6 The movement of a s	ailboat in the water by	the action of the air	isforce.		
	a. pull	b. push	c. friction	d. gravity		
	7 As the time taken to	travel a certain distance	e increases, the spee	d of the body		
	a. increases	b. does not change	c. decreases	d. doubles		
	8is the ser	nse that you use to ider	ntify the smell of a pe	erfume.		
	a. Taste	b. Sight	c. Smell	d. Hearing		
	The juices of the liver	and pancreas are pour	ed into			
	a. the stomach		b. the small intes	tine		
	c. the large intestine	:	d. the mouth			
	The tapetum lucidum in the dark.	n is one of the	adaptations that	enable some animals to see		
	a. structural	<mark>b</mark> . behavioral	c. (a and b)	d. no correct answer		

2 Complete the following sentences using the given brackets:						
1 The echo sound feature depends on thesense.	(smelling – hearing)					
2 The time taken to receive information from the environment and respond to it is						
called						
3 Electric wires transmitenergy to homes and streets.	(chemical - electric)					
4 The force that causes the fruits to fall from the tree downwards is the						
	oushing force - gravity)					
5 Fish use to extract dissolved oxygen in the water.	(lungs - gills)					
3 Correct the underlined words:						
1 Cows have sharp teeth suitable for eating grass.	(flat)					
When the body reaches its maximum height, it stores maximum kine	tic energy.					
	(potential energy)					
3 The bowl-like face of an owl is an example of <u>behavioral</u> adaptation. (structura						
Sound is the visual form of energy that is transmitted in the form of v	vaves. (light)					
5 When the body speed increases, its kinetic energy decreases.	(increases)					
4 Choose from column (B) what suits in column (A):						
(A)	(B)					
1 When an unbalanced force is applied to a static body.	(5) Diaphragm.					
When the wall opposes a moving car and stops it.	(<mark>4</mark>) Nerves.					
3 Wood is an	(<mark>3</mark>) Opaque material.					
4 Carry messages from the brain and spinal cord to the rest of the body	. (1) it starts to move.					
6 A large muscle that helps in the inhalation and exhalation processes.	(2) it is a friction force.					
5 Determine the type of the energy in each of the following cases:						
1 Energy stored in batteries.	(chemical energy)					
2 The energy produced when the electric heater is turned on.	(heat energy)					
3 Energy stored in a ball at the top of a ramp.	(potential energy)					
4 The energy of a player while running.	(kinetic energy)					

5 The energy generated when the radio is turned on.

(Sound energy)

Model answer (4)

1

Choose the correct answ	ver:						
1 Which of the following is a source of light?							
a. The moon.	b. The eyes.	c. The fire.	d. The mirror.				
2 Ramy stopped suddenly while he was riding his bike because he heard the sound of a car speeding towards him. Which device received the external hearing signal that enabled Ramy to respond by stopping his bike?							
a. The circulatory sy	stem.	b. The excretory	system.				
c. The muscular syst	em.	d. The nervous sy	stem.				
3 Fatima pushes a big box and Ezz comes to help her. How does this change the force and the distance moved by the box a. It does not change the force or the distance.							
	b. The force increases and distance decreases.						
	c. The force and distance increase. d. its force decreases, its distance increases. The system responsible for digesting food and supplying the body with nutrients is						
a. respiratoryBats use their sense of	b. digestive ofto reach	c. excretory their prey and avoid	d. nervous hitting objects				
a. sight	b. smell	c. hearing	d. taste				
6 Which of the following helps reptiles, such as the panther chameleon, to hide among the leaves of trees?							
a. Colored scales.	b. Brown fur.	c. Short legs.	d. Golden fur.				
7 The energy stored in	a compressed spring is	considered	energy.				
a. chemical8 The unit that measure	b. kinetic	c. potential	d. electric				
a. seconds/meter9 What happens to the	b. hour/kilometer kinetic energy when yo		d. meter/kilometer				
a. It converts to sound and heat energy b.It converts to solar and potential energy							
c. Some of the energy is lost and some of it turns into sound energy							
d. Some energy is lost and some energy turns into chemical energy is one of the common ways of communication between humans and animals.							
a. Mobile phone	b. Paintings	c. Flashes	d. Writing				

الصف الرابع الابتدائي

2 Comple	ete the	following	sentences	using th	e given	brackets:
----------	---------	-----------	-----------	----------	---------	-----------

1 Thein the mouth moistens the food to facilitate its digestion and swallowing.

(tongue - teeth)

2 The...... materials transmit light through them. (transparent – opaque)

3 The gravitational force is the force ofand its direction is always down towards the earth.

(pull – push)

4 A car that travels 80 km in two hours is moving at a speed of _____ km / h. (40 - 20)

5 The alveoli in are surrounded by a network of blood vessels through which gases are exchanged between blood and air. (trachea -two lungs)

3 write True or False:

1 When animals dig tunnels it is a form of structural adaptation. (False)

Meat-eaters animals have long digestive systems. (false)

3 The body's potential energy increases as it rises above the Earth's surface. (True)

4 Energy transformations don't occur when food is cooked. (False)

5 Objects move a great distance when pushed with great force. (True)

4 Write the scientific terms using the given words:

(speed – potential energy - reflexes - communication system – structural adaptation)

- 1 A change that occurs within the structure of the living organisms' bodies. (Structural adaptation)
- 2 A group of devices work together to transfer information from one place to another.

(Communication system)

3 The distance traveled per unit time.

(Speed)

4 The stored energy inside the body.

(potential energy)

5 Messages that the nervous system sends quickly and you cannot control them.

(Reflexes)

6 Choose from column (B) the sensory information that suits each sense organ in column (A):

(A)	(B)
1 The hand	(2) Light coming from an open window.
2 The eyes	(<mark>5</mark>) The bad smell.
3 The tongue	(1) Heat from a hot stove.
4 The ears	(3) Sour lemon taste.
5 The nose	(4) Noise coming from the car loudspeaker.

Model answer (5)

1	Choose	the	correct	answer:
ш	CITOOSC	-	COLLECT	ulijveti.

- 1 What is the energy transformation when riding a bike?
 - a. Thermal energy converts into potential energy.
 - b. Chemical energy converts into kinetic energy.
 - c. Solar energy converts into chemical energy.
 - d. Kinetic energy converts into nuclear energy.
- Which of the following can store energy?
 - a. Battery.
- b. Wire.
- c. Plastic.
- d. electric lamp.
- What is the necessary mathematical relationship to calculate the velocity?
 - a. distance ÷ time
- **b.** time ÷ distance
- c. mass ÷ time
- d. time ÷ mass
- 4 The ----leaves help plants absorb sunlight.
 - a. small
- b. broad
- c. triangular
- d. spiny
- 5 The diaphragm muscle contracts and moves downwards during the ------process.
 - a. inhalation
- b. exhalation
- c. digestion
- d. feeding
- - a. sight
- b. smell
- c. hearing
- d. taste
- 7 Which of the following allows light to pass through it?
 - a. Wood.
- b. Glass.
- c. Metal.
- d. Wall.
- 8 The opposite figure represents force.
 - a. pushing

b. pulling

c. gravity

- d. friction
- Each of the following represents kinetic energy except



- a. vibration of particles of the substance during heating
- b. the movement of sound or light waves in the air
- c. the movement of electrons inside a wire
- d. a ball stuck to the top of a tree
- - a. light
- b. sound
- c. smell
- d. movement

2 Complete the following sentences using the given brackets:

1 The velocity of a body increases when the time taken to cover a certain distance

(increases - decreases)

3 The blood transportsfrom the lungs to all the cells of the body.

(oxygen gas - carbon dioxide gas)

4 The amount of energy required to move a body through the force acting on it is known as ______. (work - force)

6 When you knock on the door, the energy changes into energy.

(kinetic - sound / kinetic - potential)

3 Correct the underlined words:

1 The spinal cord is the main control center in the human body. (brain)

2 Fish breathe the dissolved oxygen in water through the skin. (gills)

One of the negative effects of water pollution on humans is chest disease. (air)

4 A ball that rolls on a ramp gradually its potential energy increases as it falls. (kinetic)

5 When balanced forces act on a static body, it moves. (unbalanced)

4 Choose from column (B) what suits in column (A):

(A)	(B)
1 A pattern has meaning	(2) The friction force
2 A force arises between two touching surfaces.	(5) Its speed increases
3 The light property helps us to see our image in mirror	(4) Chemical energy
4 The stored energy in gasoline	(<mark>3</mark>) Light reflection
When the applied force on object increases ,	(1) The code

5 Classify the following into (structural or behavioral) adaptation:

1 The presence of sharp thorns in some desert plants. (structural adaptation)

2 The varied diet property in some animals. (behavioral adaptation)

The activity of bats at night to search for food.
(behavioral adaptation)

4 Sharp teeth in predators. (structural adaptation)

5 The eyes of the panther chameleon move in different directions. (structural adaptation)

1 Cairo Governorate - (Exam 1)

Question one: Choose the correct answer:

1 An animal that has t	the ability to turn	the head in all	directions is	
a. Snake	b. Jerboa	c. dolphin	d. owl	
2 The ability to do wor	k is			
a. Energy	b. Force	c. Push	d. Pull	
3 Animals can commun	nicate with each o	ther through	•••••	
a. Sounds and lights	b. talking	c. reading	d. writing	
4 One of the light refle	cting materials is			
a. wood	b. mirrors	c. plastic	d. paper	
5 The force that allows	down or decreas	es the speed of a	an object is	
a. push	b. gravity	c. friction	d. pull	
1. Put (√) or (X):				

(1) The food passes through the large intestine before it goes into the	sma	Ш
intestine.	()
2 Energy is neither destroyed nor created from nothing.	()
3 Wood is a transparent object that allows light to pass through it.	()
4 The respiratory system is responsible for the entry of air into the boo	ly.	
	()

3.Match

(A)	(B)
1)Camouflage	a)The force that pulls things downwards.
2) Sending smelly messages	b) A type of adaptation that helps an animal to hide.
3)Gravity	c) Carry messages to the brain via spinal cord.
4)Nerves	d) A way to communicate between some animals.

Governorates Exams - Exam (2)

Question one: Choose the correct answer:

1 Raising the thumb up or lowering it down is a kind of				
a. colors	b. codes	c. waves	d. lights	
2 One of the behavio	ral adaptations th	hat help the animal	protects itself from	
enemies is				
a. camouflage	b. extinction	c. immigration	d. reproduction	
3 is covering	g the body of arct	tic fox.		
a. Heavy hair	b. Thick fur	c. heavy skin	d. many feathers	
4 The ability to do wo	rk is			
a. Energy	b. Force	c. Push	d. Pull	
5 The force that pulls	the objects down	n tow <mark>ard the c</mark> enter	of the Earth is	
force				
a. pushing	b. gravity	c. pulling	d. wind	
Question T	wo: Put (1	/) or (X):		
$oldsymbol{\widehat{1}}$ The ear is the sense	organ which is	responsible for s	seeing objects. ()
2) The moon is a sour	ce of light.	90 4		
3 Exhaled air carries of	xygen.			
4) When the static boo		v halanced forces	the body moves	
.) Which the static bot	ry is directed by	y Dalaileea loices	,, the body moves.	

Question Three: Match:

(5) When you kick a ball, kinetic energy is produced.

(A)	(B)
1) Motion	a) A muscle that has an important role in the respiration process.
2) Structural adaptation	b) The change in the position of an object with respect to a fixed point.
3) Diaphragm	c) A structural adaptation whose function is similar to the lung.
4) Gills	d) the flat teeth in some animals to feed a type of food like grass.

Governorates Exams - Exam (3)

Question one: Choose the correct answer:

1 All of the following are components of the nervous system except					
a. Spinal cord	b. Nerve s	c. Brain	d. Heart		
2 Animals can communicate with each other through					
a. Sounds and lights	b. Talk	c. Writing	dReading		
3 Is covering the	ne body of arc	tic fox			
 Heavy hair 	b. Thick fur	c. heavy skin	d. many feathers		
4 To communicate throu	gh the sense	o <mark>f sight w</mark> e need	•		
a. Making sound b. Availability of light c-Hearing music d-Touching something					
5 When you put your hand on a hot surface, the brain sends a message to the					
muscles and the action tha	t come <mark>s fro</mark> m	you immediately afte	r it is to		
a. Keep placing your hand		b. You will do nothing			
c. You feel pain		d <mark>. Pull your ha</mark> nd away	from a hot object		
c. You feel pain		d <mark>. Pull your ha</mark> nd away	from a hot object		

Question Two: Put (√) or (X):

1 The food changes from complex form to simple form through digestion pro	cess. ()
2 Dolphins have strong sense of sight	5 ()
3 Tongue is an organ of sight.	50)
4 When balanced forces are applies on an object at rest, it will body move.	()
5 The type of adaptation in the fishing cat's eyes is a behavioral adaptation.	()

3. Match:

(A)	(B)
a. is a stored energy in an object due to its position.	1. Light
b. It depends on the echo of the sound in locating the prey	2. Owl
C. An animal with a bowl- like face and strong senses of hearing and vision.	3. potential energy
d. it is the visible form of energy that is transmitted in the form of waves/	4. Bat
e. A structural adaptation in the eye that provides some animals with better vision at night.	5.Mirror-like membrane

Governorates Exams – Exam (4)

Question one: Choose the correct answer:

	onsible for the sight	sense is	
a. Nose	b. eyes	c. heart	d. mouth
2 Which feature	of the light help you	see yourself in the	mirror?
a. Refraction	b. Reflection	c. Shortness of	rays d. Nothing
3 The measuring	unit of speed is		
a. m/s b.	km/s	c. s/m	d. no correct answer
4 When a body m	oves f <mark>orward, the c</mark> h	ange that occur is	
a. the position of the	e bod <mark>y b. the size o</mark> f	body c-the mass o	f body d-The Earth's gravity
5 Fishing cat is a .	<mark>anim</mark> al		
a. morning	b. nocturnal	c. harmful	d. flying
Question	Two: Put	(√) or (X):	
1 Penguins forming la			
			oothness of the cloth. ()
3 The brain is respor	9000 0935A8		()
			into kinetic when car starts
moving.	, , , , , , , , , , , , , , , , , , ,		mile miletic trineil car starts
illoving.			
	t the kinetic energy.	JT F	16455
Mass doesn't affec	20		16455
Mass doesn't affec	20		the following
5 Mass doesn't affected Question T	hree: A)	Complete	the following
S Mass doesn't affect Question T sentences fro	hree: A) m the two b	Complete	
Mass doesn't affect Question T sentences fro 1 From the opaque of	hree: A) m the two b	Complete rackets:	(Carton - Glass)
Mass doesn't affect Question T sentences fro 1 From the opaque of the content	hree: A) m the two b	Complete rackets:	(Carton - Glass) ich other. (sound - light)
Mass doesn't affect Question T sentences fro 1 From the opaque of the diaphragm rise	hree: A) m the two b bjects as a means of commes up during the	Complete rackets: nunication with ea	(Carton - Glass) ch other. (sound - light) (Inhalation - exhalation)
Mass doesn't affect Question T sentences fro 1 From the opaque of the diaphragm rise	hree: A) m the two b bjects as a means of commes up during the	Complete rackets: nunication with ea	(Carton - Glass) ich other. (sound - light)
Mass doesn't affect Question T sentences fro 1 From the opaque of the diaphragm rise 4 the car slows down	hree: A) m the two b bjects as a means of commes up during the its speed when it tur	Complete rackets: nunication with each process. rns out to fuel as a recognition of the content of the conten	(Carton - Glass) ch other. (sound - light) (Inhalation - exhalation) result of (friction - Tension)
Mass doesn't affect Question T sentences fro 1 From the opaque of the diaphragm rise	hree: A) m the two b bjects as a means of commes up during the its speed when it tur	Complete rackets: nunication with each process. rns out to fuel as a recognition of the content of the conten	(Carton - Glass) ch other. (sound - light) (Inhalation - exhalation) result of (friction - Tension)
Question T sentences fro 1 From the opaque of 2 Bats use	hree: A) m the two b bjects as a means of commes up during the its speed when it tui of a train that cover	Complete rackets: nunication with each result of the last and the las	(Carton - Glass) ch other. (sound - light) (Inhalation - exhalation) result of (friction - Tension)
Question T sentences fro 1 From the opaque of 2 Bats use	hree: A) m the two b bjects as a means of commes up during the its speed when it tui of a train that cover	Complete rackets: nunication with each result of the last and the las	(Carton - Glass) ch other. (sound - light) (Inhalation - exhalation) result of (friction - Tension) 6 hours.
Mass doesn't affect Question T sentences fro 1 From the opaque of 2 Bats use	hree: A) m the two b bjects as a means of commes up during the its speed when it tui of a train that cover	Complete rackets: nunication with each result of the last and the las	(Carton - Glass) ch other. (sound - light) (Inhalation - exhalation) result of (friction - Tension) 6 hours.

Governorates Exams - Exam (5)

Question One: Choose the correct answer:

1 The chemical energy	stored in batte	ries is considered a fo	rm of	
		c. kinetic energy		
2 bees can communic	ate with each	other through		
a. Sounds b	. Movement	c. Waving	dReading	
3 Is covering the body of panther chameleon				
Heavy hair	b. Thick fur	c. heavy skin	d. colorful scales	
4 One of the behavior	al adaptation th	n <mark>at help anima</mark> ls to hi	de from their	
enemies is				
a. reproduction b. ext	tinction c-c	c <mark>amouf</mark> lage d-	immigration	
5 When light falls on w	vooden surface	, it will		
a. refracts b. reflects	evenly c. ref	e <mark>cts unevenly d. pass</mark>	through the surface	

Question Two: Put (√) or (X):

1 The brain is responsible for processing Information.	()
2 The Moon is a source of light.	
3 Gravitational force is an upward pulling force.	055
4) Animals can use more than one sense to communicate with each	other.

3. (A) Match:

(A)	(B)
1) Motion	a) The ability to do work.
2) work	b) the change in the position of an object with respect to a fixed point
3) Energy	c) The force that causes the body to move.
4) Gas oven	d) It converts chemical energy into heat energy.

(B) Answer the following:

 Look at the path of the light rays in pictures (A) and (B).
 Determine which of the two objects is opaque and which is transparent.

(Object) (A) is(Object) (B) is.....

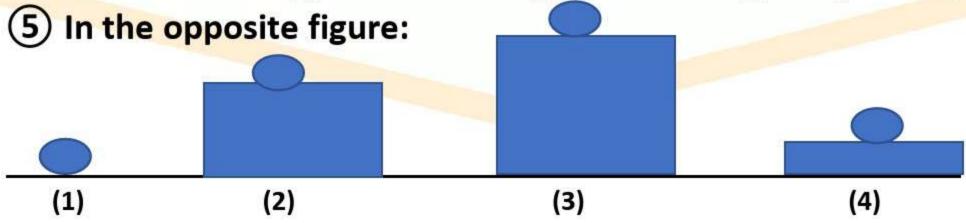


Governorates Exams - Exam (6)

1.Choose the correct answer:

1) a	are	panting	to	lower	their	body	temperatur	e.
\sim			S No.				177	18967	

- a. Bats
- b. Lions
- c. Whales
- d. Foxes
- 2 Humpback whales use singing for
- a. heating b. reproduction and nutrition c. hiding from enemies d. having fun
- 3 Tapetum lucidum exists in all following excepts
 - a. The Horse
- b the human
- c. the cat
- d. the dog
- 4 The energy gained by a ball when it falls from above is:
 - a. Potential energy b chemical energy c. kinetic energy d. light energy



Which ball has the greatest potential energy?

a. 1

b. 2

c. (3)

d. (4)

2. Put (√) o	or (X):		
1 The snakes have the ability to rotate their heads in all directions. 2 Red and green lights are considered codes. 3 Gravitational force is an upward pulling force. (A) Match: (B) 1) The brain () a- Not important in processing or receiving information to computer () b- It is similar in its processing of information to computer () c- Carry messages to brain via the spinal cord. 4. Answer the following: (A). Butterflies that have same color of the tree they live on. T is called	()	
2 Red and green I	ights are considered codes.	()
2 Red and green lights are considered codes. 3 Gravitational force is an upward pulling force. (A) Match: (B) 1) The brain () a- Not important in processing or receiving information to computer () b- It is similar in its processing of information to computer () c- Carry messages to brain via the spinal cord. 4. Answer the following: (A). Butterflies that have same color of the tree they live on. T is called	()	
3. (A) <u>Match:</u>			
(A)	(B)		15
1) The brain	() a- Not important in processing or receiving inf	orn	nati
2) Nerves		ı to	а
	() c- Carry messages to brain via the spinal cord	•.0	
(A). Butterflie is called (B).Write the	reason that makes cats have excellent night v		
tent of	he following sentences from the	tv	/O
$\overline{}$			
\tilde{a}		_	
when light falls on	Red and green lights are considered codes. Gravitational force is an upward pulling force. () Match: (B) he brain () a- Not important in processing or receiving information to a computer () b- It is similar in its processing of information to a computer () c- Carry messages to brain via the spinal cord. mswer the following: (A). Butterflies that have same color of the tree they live on. This is called		
3 The diaphragm rise	s down during the process. (Inhalation - exha	ılati	on)
4 the body that has p	otential energy is in state (motion -rest)		

Governorates Exams - Exam (7)

1.Choose the correct answer:

1 The organ	responsible for th	e sight sense is	•••••		
a. Nose	b. eyes	c.	heart	d. mouth	
2 The ability	y to turn the he	ad in all direction	ons	••••	
a. Dolphin	b. Snake	c. Owl	d. fennec fo	X	
3	. energy affects	sensory receptor	ors in eyes ca	using vision.	
a. sound	b. heat	c. Chemical	d.	light	
4 Your sensa	ation of h <mark>ot w</mark> ea	ther depends o	<mark>n s</mark> ensory rece	eptors in	
the					
a. eyes	b. skin	c-nose	d-ea	rs	
5 Jerboa is a	anir	mal.			
a. morning	b. noctu	rnal c. harm	ıful	d. flying	
<u> </u>	√) or (X):	is a behavioral a	daptation.		
	sical quantity.	7.15 / 2		ACC	
	inguages not cons	idered as codes		088	
4) In electric fan,	kinetic energy is o	converted into ele	ctric.	()	-0
Collision is cras	shing two objects	each other.		()	

3. Match

(A)	(B)
1) the spinal cord	() a- Its similar in its processing of information to computer.
2) using the sense of sight	() b- when a foreign object is brought to your eyes
3) the brain	() c- when an object falls from your hands
4) the reflex actions	() d- the transmission of commands to the muscles to contract

Exam (8)

 $oxed{1}$ All the following sentences are correct about stomach, except

1.Choose t	the correct	answer:
------------	-------------	---------

	b. It connects with esophagus and small intestine.		
	b. It connects with esophagus and small intestine.		
	c. the food changes into soupy liquid inside it.		
	d. It has gastric juice and muscles work together.		
	2 Sound and light are two types of energy where,		
	a. The sound energy can be seen, while light energy can't be seen.		
	b. the light energy can't be seen and sound energy can't be seen.		
	c. Both can be seen.		
	d. Sound energy can't be seen, while light can be seen.		
	3 Antelope that live in wide, open plains must adapt by using		
	a. Thick fur which helps to keep them warm in winter.		
	b. Long legs which help them run fast		
	c. bright colors to help them attract a mate		
	d. Their hard outer shell to protect them		
	4 When Light falls on a rough surface, it is		
	a. Reflected b. Diffused (Scattered)		
	c. Absorbed d. Transmitted		
	(5) Which type of energy can travel through a vacuum (transpare	ent bag).	
	a. Light b. Sound		
١	c. Chemical d. Potential		
	2 Dut (1/) or (V).		
	2. Put (√) or (X):		
	2. Put (√) or (X): 1 Humpback whales produce only one type of songs.)
	Humpback whales produce only one type of songs.	n)sec)
		n\sec.)
	Humpback whales produce only one type of songs.	n\sec. ()
	Humpback whales produce only one type of songs.	()
	Humpback whales produce only one type of songs. The bus that covers 60 kilometers in 1 hour has a speed = 60m	()
	Humpback whales produce only one type of songs. The bus that covers 60 kilometers in 1 hour has a speed = 60m Some of kinetic energy is changed during collision of balls in Normale.	()
	Humpback whales produce only one type of songs. The bus that covers 60 kilometers in 1 hour has a speed = 60m Some of kinetic energy is changed during collision of balls in Noradle. Digestion process begins in stomach with the help of salvia.	(lewton's (()
	Humpback whales produce only one type of songs. The bus that covers 60 kilometers in 1 hour has a speed = 60m Some of kinetic energy is changed during collision of balls in Noradle. Digestion process begins in stomach with the help of salvia. Some animals have extra abilities that human do not have, an	(lewton's (())
	Humpback whales produce only one type of songs. The bus that covers 60 kilometers in 1 hour has a speed = 60m Some of kinetic energy is changed during collision of balls in Noradle. Digestion process begins in stomach with the help of salvia.	(lewton's (()))
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	Humpback whales produce only one type of songs. The bus that covers 60 kilometers in 1 hour has a speed = 60m Some of kinetic energy is changed during collision of balls in Noradle. Digestion process begins in stomach with the help of salvia. Some animals have extra abilities that human do not have, an	(lewton's (()))
	Humpback whales produce only one type of songs. The bus that covers 60 kilometers in 1 hour has a speed = 60m Some of kinetic energy is changed during collision of balls in Noradle. Digestion process begins in stomach with the help of salvia. Some animals have extra abilities that human do not have, an	(lewton's (()

3. Match

(A)	(B)			
1. Airbag	a. is used for stopping both of the shockway truck and rockets.			
2. Jet engine	b. is used for knocking down			
3. Wrecking ball	c. is used to reduce the speed of a person moving forward.			
4 . Parachute	d. d. Is used for telling the blind person the direction when it vibrates.			
5. Blind person's cane	e. is used for moving the shockwave truck.			

4. Mention examples:	
1 Transparent material.	()
2 Sources of light.	()
3 Patterns of codes	()
4 Forms of potential energy.	()
5 Rough materials.	
5. Correct the underline:	31 MPPPP
1 A ball's potential energy increases as	it slides down on inclined surface.
(2) The spinal cord is responsible for pro-	() cessing information coming through eyes.
	()
3 By increasing the number of fire extin	iguisher, the speed will <u>decrease</u> .
	()
4 Humpback whales have similar sound	ls according to the season. ()
(5) the ability to do force or cause a chang	e is known as energy. ()
6. Write the scientific term:	
1 Bouncing of light when it falls on a	reflecting surface. ()
(2) It is the change in position of an ob	ject relative to its starting point.
The state of the s	()

The change in the living organism's behavior allows it to shabitat. The waves that travel through air in a straight line causing	() vision. ()
Governorates Exams 2o21- 2022 - E	xam (9)
1. Choose the correct answer: 1 fish extracts oxygen out of water through	•••
a. skin b. gills c. lungs	d. fins
2 The system helps us to translate messages the surroundings, such as smells and sounds	at come from our
a. respiratory b. nervous c. digestive	d. circulatory
3 The surface that regularly reflects light is	
a. dark and impurities b. smooth and shiny	
c. transparent d. rough and dark	
4 What is the speed of a train that travels 800 meters in	4 seconds?
a. 40 m/s b. 4 m/s c. 200 m/s	d. 80 m/s
(5) All the following represent the pushing force, except	
a. kicking a ball b. pressing on electrical	
c. closing the disk's drawer d. dragging the hook aft	er catching a fish.
2. Put (√) or (X):	
1 Red and green traffic are considered codes.	()
2 The eye is the sensory organ that makes you feel the smoothness	s of the cloth. ()
3 The thick fur that some animals possess to protect from the co	old is considered a
behavioural adaptation.	()
4 In the fan, the kinetic energy is converted into electric energy.	()
(5) Gravitational force is one of the kinetic energy forms.	()
2000 - MONTHESTON, NOV - V/2, NOS - MOS -	
3. <u>Write the scientific term:</u>	
1. A process through which diaphragm expands and moves up.	70 4 5 50
It is the energy transferred by a force that used to move the object	
3. It is a push or pull that is applying to an object causing it to change	() e its position
z a pasi. s. pair that is applying to an object cadonig it to chang	()
	2000)

1. There are some nocturnal animals that depend on the heat to get their prey. Explain with an example. Governorates Exams 2021- 2022 — Exam 1. Choose the correct answer: 1. Bats are	eir sense of
Governorates Exams 2021- 2022 — Exam 1. Choose the correct answer: 1. Bats are	TOTAL SERVICE OF
1. Choose the correct answer: 1. Bats are	
1. Choose the correct answer: 1. Bats are	
1 Bats areanimals a. Nocturnal b. moving c. not hearing d. not f 2 The ability to do work is a. Energy b. Force c. Push d. Pull 3 All of the following are components of the nervous system except a. Spinal cord b. heart c. nerves d. brain 4 The chemical energy stored in batteries is considered a form of a. potential energy b. heat energy c. kinetic energy d. lip 2. Put (V) or (X): 1 In order to translate the code, the brain must identify it. 2 When a pen falls down from your hand, then the acting force is the grain the respiratory system is responsible for the entry of air into the body 3. Match:	(10)
a. Nocturnal b. moving c. not hearing d. not f 2 The ability to do work is	
2 The ability to do work is	
a. Energy b. Force c. Push d. Pull 3 All of the following are components of the nervous system except a. Spinal cord b. heart c. nerves d. brain 4 The chemical energy stored in batteries is considered a form of a. potential energy b. heat energy c. kinetic energy d. lip 2. Put (V) or (X): 1 In order to translate the code, the brain must identify it. 2 When a pen falls down from your hand, then the acting force is the grain that the code is the grain must identify it. 3 The respiratory system is responsible for the entry of air into the body 3. Match:	lying
3 All of the following are components of the nervous system except a. Spinal cord b. heart c. nerves d. brain 4 The chemical energy stored in batteries is considered a form of a. potential energy b. heat energy c. kinetic energy d. lip 2. Put (V) or (X): 1 In order to translate the code, the brain must identify it. 2 When a pen falls down from your hand, then the acting force is the grain of the entry of air into the body 3. Match: (A) (B)	
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a. potential energy b. heat energy c. kinetic energy d. light 2. Put (V) or (X): 1 In order to translate the code, the brain must identify it. 2 When a pen falls down from your hand, then the acting force is the grain of the entry of air into the body service. 3 The respiratory system is responsible for the entry of air into the body service. (A) (B)	
2. Put (V) or (X): 1 In order to translate the code, the brain must identify it. 2 When a pen falls down from your hand, then the acting force is the grain of the respiratory system is responsible for the entry of air into the body state. 3. Match: (A) (B)	
1 In order to translate the code, the brain must identify it. 2 When a pen falls down from your hand, then the acting force is the grain of the respiratory system is responsible for the entry of air into the body 3. Match: (A) (B)	ght energy
When a pen falls down from your hand, then the acting force is the grant The respiratory system is responsible for the entry of air into the body 3. Match: (A) (B)	155
3 The respiratory system is responsible for the entry of air into the body 3. Match: (A) (B)	()
3. <u>Match:</u> (A) (B)	avity force.
3. <u>Match:</u> (A) (B)	()
(A) (B)	. ()
1)Kinetic enegy a)A form of energy.	
2)Sound energy b) A part of the car that shows the change in sp	peed.
c) It is the produced energy during the motion	of the objects
	yes.25

1. The eye sends messages to through the nerves. (brain – S	pinal co	ord)
2. The fatty layer under the animal's skin which warms it is considered a		
(structur		
 When a person pushes a car forward, his body begins to sweat heavily be 		
his stored energy. (consume	s- incre	ases)
5. Answer the following questions:		
 Note the following two figures. Identify the name of each of the two processes in figures (1) and (2). 	(Car	
Process (1): Process (2):	} -	
2. What happens to diaphragm in figure (1)?		- >/
1		2
		-
Governorates Exams – Exam (11)		
Choose the correct answer:		
1	: .	
a. Foxes b. Cats c. Bats d. Whales		
2 All of the following are components of the respiratory sys		cept
a. lungs b. brain c. diaphragm d. r	nose	0
(3) When you determine a sweet or bitter taste, you use		
a. The eye b. The tongue c. The human		nose
4 Which One of the following allows passing of the light th		
O TTHE OTE OF the following allows passing of the light th	ougn	
a. Wood b. Glass c. A rock d. N	/loon	
Put (√) or (X):		
Put (V) or (A).		
(1)Gravitational force is an upward pulling force.	()
2)scout Ants are responsible for locating food.	()
3 Wall is an opaque object that doesn't allow light to pass throu	` ισh it	<u></u>
Wall is all opaque object that account allow light to pass throt	1 1	Y
(A) Plants have two types of adaptation	1	1
(4) Plants have two types of adaptation.	4)
(5) Respiration is a process of pushing air in and out of the body.		

1. The car slows down 2. A body that has po 3. The eyes sends me 4 mix and	following sentences its speed when it runs of tential energy is in	ut of fuel, as a res state. ugh the nerves. outh. (Tee	ult of (tension (rest – mo (Brain – Spir	n – Frict otion) nal cord and tong	ion)) gue)
4.Complete the f	following sentence				
	noved at the same tim		ds, car (A) cove	ered a	
11 Miles	neters <mark>, wh</mark> ile car (B) c		ON FORESTANDONS		
Which one of the	two cars has a highe	r			
speed				•••••	•••••
3	Negative of the second				
	out at different height, l Which one of the tw				
	Willelf Office of the tw				
	Sovernorates Ex	ams- Exam	n (12)		21
Choose the	correct answe	<u>r:</u> V V V			
1 The measur	ing unit of the distan	ce is	•••••		
a. km/s	b. m/s	c. km	d. kg		
2 The force the	nat pulls objects dow	n toward to the	center of the		
Earth is					
a. gravity	b. pulling	c. friction	d. pushing		
3 Writing is a	kind of				
a. colors	b. waves	c. lights	d. codes		
2. Put (V) or (X): ①Force is energy and there is a relationship between them. ②The brain translates the code that it cannot identify. ③The mouth helps to push food into the stomach.				(()

④Energy doesn't transform from one form to another. () ⑤When you push a car and it doesn't move so there is a work done. ()
3.Answer the following question:
(A) What are the factors on which the speed of a moving object depends?
1
(B) How can we calculate speed? Write the mathematical rule.
(C) Mention two examples of the structural adaptation of fennec fox? 1
Governorates Exams – Exam (13)
Choose the correct answer:
1 Our eyes help us see what's around us. What is the responsible for perceiving what we can see with our eyes?
kinetic into potential energy:

a. The passenger moves backward	b. The passenger moves forward.			
c. The passenger remains stable	d. No correct answer			
Put (√) or (X):				
1 The ear is the sense organ which is	responsible for seeing objects.			
	()			
(2) A static ball moves on the ground	if it is affected by a force. ()			
3 Speed is a physical quantity that in	ndicates how fast an object is moving.			
(4) If I can see my face clearly on a sur	face, this means that it is a smooth, and			
shiny.	()			
The state of the s	d have long ears; To help them to			
maintain the body temperature wa	irm. ()			
3. <u>Match:</u>				
(A)	(B)			
1) Light a) An animal with a bowl-l	ike face.			
2) Owl b) It depends on the echo	of the sound in locating the prey.			
3) The bat c) It is a visible form of en	ergy that is transmitted in the form of waves.			
4. Complete the following sent	ences from the two brackets:			
1 If several bodies covered equal di	stances in time, Then these bodies			
move at different speeds.	(equal – different)			
	nt sounds and amplify them.			
	lead rotation – Specialized head feathers)			
(3) An animal that can escape from e	nemies because of the length its hind leg			
E. Answerthe fellowing questi	(Arctic fox – Jerboa)			
5. Answer the following question of the second seco	end themselves against enemies. What			
type of adaptation?	2- 2			
	ing some patterns Give one example			
(3) Butterflies that have colour like the colour of the tree they live on this phenomenon called				

Governorates Exams 2021- 2022 - Exam (14)

Choose the correct answer from the following:					
1 The smooth, flat and shiny surface of mirror light waves energy.					
A. absorbs B. refracts C. reflects D. transmits					
2 Rami stopped his bike because he heard a car speeding towards. Which					
system received the external signal of hearing that enabled rami to respond by					
stopping his bike?					
A. Muscular system B. Skeletal system C. Digestive system D. Nervous system					
3 Which one is suitable when a living organisms develop their traits that help					
them to survive?					
A. Adaptation B. Death C. Production D. Camouflage					
The ability of fireflies to emit flashes of light or change their pattern is an					
example of					
A. Camouflage B. Behavioural adaptation C. structural adaptation D. Hereditary					
The force that causes the falling down ball when you are throwing it up.					
A. Pushing force B. Friction force C. Gravity force D. No correct answer					
2 Put $()$ or (\times) :					
1. Penguins' feet freeze while walking on ice. ()					
2. Brown bear lives in forest and its brown fur helps it to hide among trees.					
3. The stopping object can't move until a force acts on it.					
4. Mirror is an example of smooth surface.					
5. Hitting a tennis ball needs a pulling force. ()					
6. If an object moves, it means that forces acting on it are unbalanced.					
7. When a roller coaster starts moving, the kinetic energy changes into ()					
potential energy. ()					
8. When a collision occurs, part of the kinetic energy is changed into other					
forms of energy. ()					
Complete the following					
1. In the electric bell, energy changes into energy.					
2 objects reflect most of light rays like mirror and aluminium foil.					
3. Desert plants are distinguished by their leaves, while rainforests are					
distinguished by leaves.					
4. Fireworks produce sound energy and energy which are considered as					
forms of energy.					
6. When the train's speed decreases, its kinetic energy					
7. A ball that rolls on a ramp, its speed					

8. During a collision of cars, the airbag aut and fills with gas. Write the scientific term:	tomatically at high speed
1. An organ is the main control centre of	the body. ()
2. Structures like balloons and they conta	
vessels.	()
3. The force that acts in the opposite dire	ection of the object's movement to stop
it.	()
4. The energy that is stored in the food we ea	nt. ()
5 Matching	

(A)	(B)
1.Food	a. it can be transformed into
	potential energy.
2.Gasoline	b. it is the source of energy for
	humans.
3. Kinetic energy	c. it is the stored energy in an
ACTAA C	object.
4. Potential energy	d. it cannot transferred into
	another form of energy.
	e. its burning inside an engine
	produces mechanical energy.
1 2	3 4



<u> Model (1)</u>

Q1.A - Choose the correct answer:

WIIA OI	10030 the bolled	Cansworn		
1-All the f	following living orga	anisms have mirror like membrane except		
a) snakes		b) fishing cats		
c) Dogs		d) horses		
2-The sens	sory organ of the do	olphin helps It do all the following except	ı	
a. Surviving	b. Searching for food	c. Searching for water d. Protecting itself under wate	r	
3-Human a	activities and ball h	abits, can polluteof an ecosystem		
A-Air and soil	only	B-soil and waterways only		
C-air and wat	erways only	D-air, soil and waterways		
4-The forc	e that is exerted w	hen objects rub against each other		
a)weight	b)gravitational	c)friction d)pressure		
B-What is	the type of adaptat	ion in panther chameleon eyes?		
Q2-put (t	rue) or (false)		79	
	system ends by anus		()	
•		than those of fennec fox	()	
		nutrients in the small intestine	()	
	connects esophagus w		()	
5-tood passe	es trom mouth to stom	ach through a narrow tube known as small intesting	e ()	
Q3.A-wr	ite the scientific	term:		
1-they are in	the car airbags and allov	v them to deflate fast after collision	()	
	to move cars as it store		()	
3-a process v	vhere two objects or mor	e crash in each other and energy transfer happen	()	
4-a heavy steel ball swings on a cable and destruct buildings (
5-safety equipment in cars prevent passengers from moving forward when car stop suddenly (
Q3.B-Cro	ss the odd word			
	Polar bear – snake – arct			

Sound energy – light energy – thermal energy - chemical energy



<u> Model (2)</u>

Q1. A- Put (x)or $(\sqrt{})$:

1-force is r	necessary to mov	e or stop an object	()
2-the ange	l of the incline af	fects the speed of an object moving on it	()
3-the speed	d of the ball movi	ng down change by changing the ramp height	()
4-all object	ts move at simila	r speed around us	()
B- Give	<u>reason</u> gills a	re a unique structural adaptation in	<u>fish</u>
Q2.corre	ct the underli	ned word:	
1-The movi	ing balls of newto	on's cradle keeps their <u>kinetic energy</u> as time	passes ()
2-When ob	ject move in a hiç	gh speed it has a small amount of <u>kinetic ener</u>	gy _ ()
3-The large	er <u>density</u> of an o	bject the more fuel it consumes	()
4-The spec	ed of an object af	fects its <u>potential energy</u>	()
5-Airbags a	are made of thick	wooden materials	()
J			,
Q3-A- ch	oose the corre	ect answer:	
1-bull shar	k can live in		
a) fresh water	r b)salty water	c)both fresh and salty water	
2-fennec f	ox has	color fur	
a) white	b) black	c) sandy	
3-panther	chameleon has	sfeet	
a) flat	b) U-shaped	c) V-shaped	
4-fennec fo	oxlike	dogs	
a) white	b) eat	c) pants	
5-All the f	ollowing are o	rgans of digestive system except.	
a) Mouth	b) nose	c) stomach	
Q3-B- Wh	at happen if :		
		=	
	_	•	
		nate to reproduce.	



<u> Model (3)</u>

Q1) Complete

1-The speed of a roller coaster starts to move it gets energy from motorsfound in its beginning car which is operated by	
2-If you have ability to push a chair, so you have	
3-Any object will move, if it has energy	
4-in gas oven, energy changes into energy	
B-Mention the changes of energy when a skater begins to skate	
Q2)A- Cross out the odd word	
1-Guitar- flashlight - radio - alarm bell	
2-The sun - electric heater -match- radio	
3-Electric mixer - electric fan -washing machine -alarm bell	
4- Nose – mouth – small intestine – stomach	
B-Give reason	
1-Fuel Inside the car is similar to the food inside the human bod	у
2- The toy car moves after filling its spring, then let it to free.	
Q3)-Put (true) or (false)	
1- All types of sharks live in fresh water	()
2- Radio is operated by sound energy, and produces electric en	ergy ()
3- When a moving object is affected by two opposite equal force	es it will stop()
4- We eat food to obtain electric energy	()
5- Energy don't transfer from an object to another	()
B- From the opposite fig. answer the following question	ns
1- The figure refers toprocess	
2- The diaphragm muscle willduring this process	Size of chest increases



Model (4)

Q1-choose the correct answer

		<u></u>		
1- A very big to	ruck needs	to move		
A-very small engine	b) small engi	ne c)	very big engine	d)no engine
`2-both of huma	an and fish			
A) Can breathe in air	b) Can breathe in w	ater c) Use oxy	gen gas to breathe d	l) Use carbon dioxide to breathe)
3-Gills differs f	rom lungs, in tha	at gills		
A) Take oxygen gas	b) Expel carbon dio	xide gas c) Extra	ict oxygen from wate	er d) Extract oxygen from air)
4reading and	writing are com	mon types o	f communication	on in
A) human	b) plants	c) animals	d) bird	ls
5. Which of the	following choic	es explain h	ow the body re	acts to the smell of
food in the cor	rect order?			
a. The brain the nose	the nerves	b. The nose th	ne brain - the nerves	
c. The nerves the bra	in the nose	d. The nose th	ne nerves the brain	
6. The organ tha	nt processes the i	nformation c	ollected through	the sense of sight is
a. The spinal cord	b. The nerves	C. The brain	d. The eyes	
Q2)A- Complet	te the followin	91		
1. Some animals	go out at night in	their habitats	to	
2is a ser	nsory organ.			
3. Thetra	ansmit Informatio	n's from and t	o the brain.	
4. to measure th	e speed of a movi	ng car we nee	ed to divide the	it travels overTaken
B- Give reason				
1- The blood ves	sels in penguin fe	et wave arour	nd each other	
Q3)A- put (true	e)or(false)			
1- To slow down	the speed of the	shockwave tr	uck quickly, parac	chutes are used ()
2- Speaking is th	ne only way of con	nmunication b	etween people	()
3-The main differ	rence between pu	lling and push	ing forces in the	direction of the force ()
4-To open or clos	se a door, we have	to push or pu	ıll it	()
B-Look at the t	following photos	s, then comp	olete:	
1. The sharpest s	senses that anima	l (1) has are		

3. The sharpest sense that animal (2) has is

Animal (1)

Animal (2)



<u> Model (5)</u>

Q1)-Comp	lete
----------	------

1-The bicycle canı	not move without a	acting on it		
2from the	e plants that can sur	vive in habitats that hav	e shortage of water	
3- The wall of the	small intestine abso	rbs the digested food ir	nto your bloodstream through	۱
4-The chair stands	s on the floor due to t	the pulling force of		
5-To move anythin	ng from one place to a	another, you need to	it or	
Q2)-Correct the un	nderlined words			
1-When you jump ເ	up, the force of <u>friction</u>	on pulls you back to the	ground	
2-If the car runs o	ut of fuel, Its speed <u>i</u> ı	ncreases		
3-The motion of a	car is opposed by the	e gravity of air		
4-Moving object st	tops when a force of	the same amount is app	olied to it in the <u>same</u> direction	on
B:1-Look at the	path of the light rays	in pictures (A) - (B). De	termine which of the two obj	ects
is opaque and whi	ch is transparent		4	
(object) (A)	(objec	t) (B)		
Q3-choose the	correct answer: -		A B	
1-by increasing	speed of a ball tr	avelling down ward	its kinetic energy	
a)increase	b)decrease	c)doesn't change	d)become zero	
2-a moving car tı	ravels a 100 meter	distance in 5 seconds	s so its speed will be	
a)10 m/sec	b)15 m/sec	c)20 m/sec	d)5m/sec	
3. To describe th	ne delicious taste o	f a pedal of chocolate	e, we should use the sense	of
a. Sight	b. Smell	c. Taste	d. Touch	
4. To describe th	ne color of your sch	ool bag to your friend	you should use the sense	of
a. Sight	b. Smell	c. Taste	d. Touch	
5. Which of the	following senses	we use during watc	hing a film on the TV?	
a. Sight and taste	b. Sight and smell	c. Hearing and touch	d. Sight and hearing	
6-preesing the	gas pedal of a car	sends more	to the engine	
a)air	b)fuel	c)water	d) Juice	
B - Explain w	hy:			
-Leaves of plants t	that float above the s	surface of the water are	so wide.	
-			•••••	



<u> Model (6)</u>

Q1:- Choose the correct Answer

1. To kno	ow if a cup of	water is hot or col	d, we need to use the	sense of
a. Sight	b. Smell	c. Hearing	d. Touch	
2. Some	animals go ou	ıt at night in their	habitats to	
a. Search fo	r air b. Search for _l	predator c. Search for a	prey d. Sleep In the oper	ı air
3. All of t	the following a	are sensory organs	s except the	
a. Eyes	b. Nose	c. Skin	d. Lungs	
4. The ne	erves transmit	Information's from	m and to the brain in t	he form of
a. Magnetic I	mpulse b. Elect	rical Impulse c. Light:	t Impulse d. Sound Impulse	
Q 2) Write	e the scientific	term of each of the	<u>following</u>	
_		se the body heat of	its preys at night using	a special part of its
face	()			
		bat can locate its p	rey Insects through the	
from then				()
	nal that can tur	n its head backwar	ds and has a bowl-shap	_
eyes	41 4 4 1			()
4A syste	em tnat control	s all the body functi	ions and nerves are one	ot its parts(
Q3)-Com	plete			
1- when y	ou push a table	e on the floor the	transfer from your	body to table
2- When t	two cars move	on the same road c	ar (A) its speed 10 m/s v	while car (B) its
_	30 m/s , this m	eans that carn	nove longer distance th	an carat same
time		<u> </u>		
_		ll standing in land, i		
4o	bjects allow lig	ght rays to pass thro	ough them	
	t night dependi	<u> </u>	ing on the sense of sensewhich com	

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<u>Model (7)</u>

 The sensory receptors in the eyes receive the sounds produced by a radio a to the brain 	and :	send)
2. Animals that are active during the daytime are called the nocturnal animals	; ()
3. Some animals prefers hunting during the night that can hunting during the d	lay (()
B) What is structural adaption of Jerboa?		
Q2.complete the following:		
1- To describe the delicious piece of chocolate, we should use the sense of		
2-the speed of a car on a highway isof the car in a traffic jam		
3-If a truck moves in a high speed so it has moreenergy.		
4-when objects collide with each other Is transferred between them	n	
Q3) Answer the following questions :		
1- Which of the following surfaces represents the reflection of light rays from	а	
wooden spoon - and what is the reason?	B]
		ļ
2- look at the following two figures. Identify the name of each of the two		
processes in Figures		No.
A		1
B	4	-

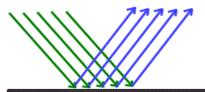


Model (8)

Q 1) Put (x) or $(\sqrt{})$

1-The body senses and system work separately when animals run away from their enemies(
2-The Egyptian jerboa lvies in forests. ()
3-A jerboa has large ears which help in sensing the snakes. ()
4-The Egyptian jerboa can jump for long distances depending on its long hind legs. ()
5-Hopping of the jerboa in zigzag pattern to run away from danger is considered as a structural()
6-Amphibians includes frog, starred agama and salamanders ()
7-Arctic foxes and amphibians cannot found in the same habitat ()
8-Frogs have a small digestive system as they are small reptiles ()
9-Clean water and air are very important for digestion process in amphibians ()
10-seatbelt enable driver to see the road
11-fast moving objects can be exposed to less damage than slow ones ()
12-a small object on a low speed has a big amount of kinetic energy ()
13-when the mass of object increase in need less force to move ()
14slower and smaller objects have more kinetic energy than that of larger faster ()

Q2) What is the type of reflection? Why?



Q3)-Correct the underlined words

- 1-When you jump up, the force of <u>friction</u> pulls you back to the ground (......)
- 2-If the car runs out of fuel, Its speed increases (.........)
- 3-The motion of a car is opposed by the gravity of air(.......)
- 4-Moving object stops when a force of the same amount is applied to it in the <u>same</u> direction (....)
- 5-The rope in the tug-of-war game may not move towards any team, if both teams <u>push</u> with the same force (......)



Model (1)

Q1.Choose the correct answer:

1-All of the following living organisms have tapetum lucidum except.....

a) snakes

b) fishing cats

c) Dogs

d) horses

2-The sensory organ of the dolphin helps It do all the following. except ...

a. Surviving b. Searching for food

c. Searching for water

d. Protecting itself under water

3-Human activities and bad habits, can pollute.....of an ecosystem

A-Air and soil only

B-soil and waterways only

C-air and waterways only

D-air, soil and waterways

4-The force that is exerted when objects rub against each other

a)weight

b)gravitational

c)friction

d)pressure

B-What is the type of adaptation in panther chameleon eyes?

structural adaptation

Q2-put (true) or (false)

1-Digestive system ends by anus

(🚺)

2-the ears of arctic fox are longer than those of fennec fox

(.<mark>F</mark>..)

3-The food gets broken down into nutrients in the small intestine

(..<mark>T</mark>..)

4-stomach connects esophagus with large intestine

(E)

5-food passes from mouth to stomach through a narrow tube known as small intestine (..<mark>F</mark>.)

Q3.write the scientific term:

1-they are in the car airbags and allow them to deflate fast after collision

(holes.)

2- liquid used to move cars as it store chemical energy

(FUEL)

3-a process where two objects or more crash in each other and energy transfer happen

(COLLISION)

4-a heavy steel ball swings on a cable and destruct buildings

(wrecking ball)

5-safety equipment in cars prevent passengers from moving forward when car stop suddenly

(Seat belt)

Q3.B-Cross the odd word:

- Penguin Polar bear snake arctic fox
- Sound energy light energy thermal energy chemical energy

<u> Model (2)</u>

Q1. Put (x)or ($\sqrt{}$):

1-force is necessary to move or stop an object(. $\sqrt{.}$)

2-the angel of the incline affects the speed of an object moving on it (. $\sqrt{.}$)

3-the speed of the ball moving down change by changing the ramp height(. $\sqrt{...}$)

4-all objects move at similar speed around us (x)

B- Give reason because it allows fish to live and breath under water

Q2.correct the underlined word:

1-the moving balls of newton's cradle keeps their kinetic energy as time passes (mechanical)

2-when object move in a high speed it has a small amount of kinetic energy (P.E)

3-the larger density of an object the more fuel it consumes (mass - speed)

4-the speed of an object affects its potential energy (K.E)

5-airbags are made of thick wooden materials (THIN NYLON)

Q3-choose the correct answer:

1-bull shark can live in.....

a)fresh water b)salty water c)both fresh and salty water

2-fennec fox hascolor fur

a)white b)black c)sandy

3-panther chameleon hasfeet

a)flat b)U-shaped c)V-shaped

4-fennec foxlike dogs

a)white b) eat c) pants

5-All the following are organs of digestive system except.

a) Mouth **b**) nose c) stomach

Q3-B- What happen

firefly wants to attract a mate to reproduce.

They use their wings to form different flash pattern



Model (3)

Q1)A- Complete

- 1-The speed of a roller coaster starts to move, it gets energy from. Motors.....found in its beginning car which is operated byELECTRICITY
- 2-If you have ability to push a chair, so you have **Energy**
- 3-Any object will move, if it has .kinetic energy
- 4-in gas oven, chemical energy changes into heat energy
- B--When a skater begins to skate, his stored P.E changes into K.E energy

Q2) Cross out the odd word

- 1-Guitar flashlight radio alarm bell
- 2-The sun-electric heater-match-radio
- 3-Electric mixer- electric fan washing machine-alarm bell
- 4 Nose mouth small intestine stomach

Mr.Science Sherif Hawary

Give reason

- 1-Fuel Inside the car is similar to the food inside the human body
 - BEC. Both of them burn produces heat and kinetic energy
- 2- The toy car moves after filling its spring, then let it to free.
 - BEC. Potential energy stored change into kinetic energy

Q3)-Put (true) or (false)

1- All types of sharks live in fresh water

- (**F**)
- 2- Radio is operated by sound energy, and produces electric energy
- (**F**)
- 3- When a moving object is affected by two opposite equal forces it will stop(...T..)
- 4- We eat food to obtain electric energy

(F)

5- Energy don't transfer from an object to another

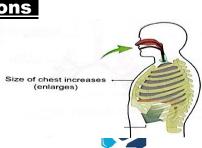
(F)

B- From the opposite fig. answer the following questions

- 1- The figure refers to **Inhalation** process
- 2- The diaphragm muscle will **Contract** during this process

Model (4)

Mr. Science



Q1-choose the correct answer

1- A very big truck needs to move

A-very small engine b) small engine c) very big engine d)no engine

2-both of human and fish...

A) Can breathe in air b) Can breathe in water c) Use oxygen gas in breathe d) Use carbon dioxide to breathe

3-Gills differs from lungs, in that gills.....

A) Take in oxygen b) Expel out carbon dioxide gas c) Extract oxygen from water d) Extract oxygen from air

4-reading and writing are common types of communication in

A) human

- b) plants
- c) animals

d) birds

5. Which of the following choices explain how the body reacts to the smell of food in the correct order?

- a. The brain the nose the nerves
- b. The nose the brain the nerves
- c. The nerves the brain the nose
- d. The nose the nerves the brain

6. The organ that processes the information collected through the sense of sight is

- a. The spinal cord
- b. The nerves
- C. The brain
- d. The eyes

Q2) Complete the following:

- 1. Some animals go out at night in their habitats to catch preys
- 2. nose is a sensory organ.
- 3. The nerves transmit Information's from and to the brain.
- 4. to measure the speed of the moving car we need to divide the Distance it travels over the time.... Taken

B- Give reason

-To warm each other for keeping its toes from freezing

Q3) put (true)or(false)

- 1- To slow down the speed of the shockwave truck quickly, parachutes are used (..T..)
- 2-Speaking is the only way of communication between people

(**F**..)

- 3-The main difference between pulling and pushing forces in the direction of the force (.T)
- 5-To open or close a door, we have to push or pull it

(...<mark>T</mark>..)

B-Look at the following photos, then complete:

- 1. Smell and hearing
- 2. hearing



Model (5)





Animal (2)

Q1)-Complete

- 1-The bicycle cannot move without a Force. Acting on it
- 2- Acacia from the plants that can survive in habitats that have lackage of water
- 3- Tiny blood vessels
- 4-The chair stands on the floor due to the pulling force of .gravity
- 5-To move anything from one place to another, you need to push it or. Pulling

Q2)-A - Correct the underlined words

- 1-When you jump up, the force of friction pulls you back to the ground (gravity)
- 2-If the car runs out of fuel, Its speed increases

(decrease)

3-The motion of a car is opposed by the gravity of air

(friction)

- 4-Moving object stops when a force of the same amount is applied to it in the $\underline{\mathsf{same}}$ direction (opposite)
- B Look at the path of the light rays in pictures (A) (B). Determine which of the two objects is opaque and which is transparent

(object) (A). is opaque

(object) (B) is transparent

Q3-choose the correct answer:-

1-by increasing speed of a ball travelling down ward its kinetic energy ...

a)increase

b)decrease

c)doesn't change

d)become zero

2-a moving car travels a 100 meter distance in 5 seconds so its speed will be

a)10 m/sec

b)15 m/sec

c)20 m/sec

d)5m/sec

- 3. To describe the delicious taste of a pedal of chocolate, we should use the sense of
- a. Sight
- b. Smell
- c. Taste

- d. Touch
- 4. To describe the color of your school bag to your friend you should use the sense of
- a. Sight
- b. Smell
- c. Taste

- d. Touch
- 5. Which of the following senses we use during watching a film on the TV?
- a. Sight and taste
- b. Sight and smell
- c. Hearing and touch
- d. Sight and hearing

6-preesing the gas pedal of a car sends moreto the engine

a)air

b)fuel

c)water

d) luice

B - Explain why:

-Leaves of plants that float above the surface of the water are so wide.

To absorb large amount of sun light

Model (6)

Q1:- Choose the correct Answer

- 1. To know if a cup of water is hot or cold, we need to use the sense of
- a. Sight
- b. Smell
- c. Hearing
- d. Touch
- 2. Some animals go out at night in their habitats to
- a. Search for air b. Search for predator c. Search for a prey
- d. Sleep In the open air
- 3. All of the following are sensory organs except the
- a. Eyes
- b. Nose
- c. Skin

- d. Lungs
- 4. The nerves transmit Information's from and to the brain in the form of
- a. Magnetic Impulse
- b. Electrical Impulse c. Light Impulse d. Sound Impulse

Q 2) Write the scientific term of each of the following

- 1- A reptile that can sense the body heat of its preys at night using a special part of its face (snake..)
- 2-A property by which a bat can locate its prey Insects through the sounds reflected from them (echolocation)
- 3-An animal that can turn its head backwards and has a bowl-shaped face and large (owl) eyes
- 4-.A system that controls all the body functions

(nervous system)

Q3)-Complete

1-when you push a table on the floor the energy transfer from your body to table

- 2- When two cars move on the same road car (A) its speed 10 m/s while car (B) its speed 30 m/s, this means that car B...move longer distance than car A at same time
- 3- When you kick the ball standing in land, it starts to Move
- 4- Transparent objects allow light rays to pass through them
- 5- The fishing cat can hunt at night depending on the sense of sight.while snake can hunt at night depending on its ability to sense heat.which comes out from its prey body

Model (7)

Q 1) Put (x) or $(\sqrt{})$

- 1. The sensory receptors in the eyes receive the sounds produced by a radio and send it to the brain(\mathbf{x})
- 2. Animals that are active during the daytime are called the nocturnal animals (x)
- 3. Some animals prefers hunting during the night that cannot hunting during day (<u></u>)

B) What is structural adaption of Jerboa?

It has large ears to listen predator

It has long hind legs to can jump long distance



Q2.complete the following:

- 1- To describe the delicious piece of chocolate, we should use the sense of taste
- 2-the speed of a car on a high way is .more than .. the car in a traffic jam
- 3-If a truck moves in a high speed so it has more Kinetic energy.
- 4-when objects collide with each other energy Is transferred between them

Q3) Answer the following questions:

1- Which of the following surfaces represents the reflection of light rays from a wooden spoon - and what is the reason?

2- look at the following two figures. Identify the name of each of the two processes in Figures

A-

В-

A	В

Model (8)

Q 1) Put (x) or $(\sqrt{})$

- 1-The body senses and system work separately when animals run away from their enemies(x)
- 2-The Egyptian jerboa lvies in forests. (x)
- 3-A jerboa has large ears which help in sensing the snakes. (x)
- 4-The Egyptian jerboa can jump for long distances depending on its long hind legs. ($\sqrt{\ }$)
- 5-Hopping of the jerboa in zigzag pattern to run away from danger is considered as a structural(x)
- 6-Amphibians includes frog, starred agama and salamanders ($\sqrt{.}$)
- 7-Arctic foxes and amphibians cannot found in the same habitat ($\sqrt{.}$)
- 8-Frogs have a small digestive system as they are small reptiles (x)
- 9-Clean water and air are very important for digestion process in amphibians ($\sqrt{}$)
- 10-seatbelt enable driver to see the road
- 11-fast moving objects can be exposed to less damage than slow ones (x)
- 12-a small object on a low speed has a big amount of kinetic energy (x)
- 13-when the mass of object increase in need less force to move (x)
- 14--slower and smaller objects have more kinetic energy than that of larger faster (x)

Q2) What is the type of reflection? Why?

Regular reflection – because light rays are reflected in one direction from smooth surface

Q3)-Correct the underlined words

- 1-When you jump up, the force of <u>friction</u> pulls you back to the ground (gravity)
- 2-If the car runs out of fuel, Its speed increases (decrease)
- 3-The motion of a car is opposed by the gravity of air (friction)
- 4-Moving object stops when a force of the same amount is applied to it in the <u>same</u> direction (opposite)
- 5-The rope in the tug-of-war game may not move towards any team, if both teams <u>push</u> with the same force (pull)



(x)