



قم بفتح كاميرا الموبايل أمام
الكود تصل لقاتنا فوراً على
اليوتيوب



Mr. Science

Garde 4

Final revision

Model answer

2021- 2022

Mr. Sherif Hawary

Model (1)**Q1.Choose the correct answer:****1-the distance that object travelled is measured by.....**

- a) Kilometer or kilogram b) meter or gram
c) Kilometer or gram d) kilometer or meter

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-speed is a measurement of howsomething is moving

- a)long b)tall c)fast d)heavy

5-the panther chameleon eyes are considered asadaptation

- a)structural b)behavioral c)both structural and behavioral

Q2-put (true) or (false)**1-Digestive system ends by anus****(t)****2-grass is very easy to be digested****(.F.)****3-The food gets broken down into nutrients in the small intestine****(..T..)****4-stomach connects esophagus with large intestine****(F)****5-food passes from mouth to stomach through a narrow tube known as small intestine (..F.)****Q3.write the scientific term:****1-they are in the car airbags and allow them to deflate fast after collision****(holes.)****2-liquid store chemical energy and used to move cars****(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)**

Model (2)

Q1. Put (x) or (√):

- 1-force is necessary to move or stop an object(√.)
- 2-the angel of the incline affects the speed of an object moving on it (√.)
- 3-the speed of the ball moving down change by changing the ramp height(√.....)
- 4-all objects move at similar speed around us(x)
- 5-we measure distance by second(.x.)

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 mass of an object the less fuel it consume(**MORE**)
- 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



Mr.Science
Sherif Hawary

Model (3)

Q1) Complete

- 1-The speed of a roller coaster starts to move, it gets energy from **motors**.....found in its beginning car which is operated by**ELECTRICITY**
- 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
- 5-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**

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-On filling the spring if a toy car, then let it free, the car move
BEC. Potential energy stored change into kinetic energy

Q3)-Put (true) or (false)

- 1- Clock, cell phone work by batteries (**T**)
- 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**)



Mr.Science
Sherif Hawary

Model (4)

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 in** d) Use carbon dioxide to breathe in

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

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

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**)
- 4-Using a remote control of a television needs a pushing force that acts on its buttons (**T**)
- 5-To open or close a door, we have to push or pull it (**...T..**)

Model (5)

Q1)-Complete

- 1-The bicycle cannot move without a **Force**..acting
- 2-When we put a jet engine in a normal truck, its speed will...**increase**
- 3-When you kick the ball standing in land, it starts to **.move**
- 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**



Mr.Science
Sherif Hawary

Q2)-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 same direction (**opposite**)
- 5-The rope in the tug-of-war game may not move towards any team, if both teams push with the same force (**pull**)

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) Juice

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 eyes (**owl**)

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 (√)

1. The sensory receptors in the eyes receive the sounds produced by a radio and send it to the brain(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 (√)

Q 2) What is structural adaption of Jerboa?

It has large ears to listen predator

It has long hind legs to can jump long distance



Mr.Science
Sherif Hawary

Q3.complete the following:

- 1-the train can reach 96.5 kph in time **.more** ...than that of cheetah
- 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

Q4)

A) In front of you the digestive system of a herbivore, explain one of the features of the digestive system of herbivores

1- has long digestive canal

2- has four stomach



B) some dogs live in a cold environment, while some live in a hot environment. In your opinion, which one has thick fur, the cold environment, or the hot environment? And **...the dogs in the cold environment ...**



Mr.Science
Sherif Hawary

Model (8)

Q 1) Put (x) or (√)

- 1-The body senses and system work separately when animals run away from their enemies(x)
- 2-The Egyptian jerboa lives 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. (√)
- 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 (√.)
- 7-Arctic foxes and amphibians cannot found in the same habitat (√.)
- 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 (√)
- 10-seatbelt enable driver to see the road (x)
- 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 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 same direction (**opposite**)
- 5-The rope in the tug-of-war game may not move towards any team, if both teams push with the same force (**pull**)