

20  
25

الصف الرابع  
الابتدائي  
الفصل  
الدراسي الاول

4

اصحاب الأرض

سنة ثامنة كمنامة مع القصة الفلسطينية

فلسطين تضيئي

# المتفوق

SCIENCE



إعداد

د / سالي أحمد عرفقة

4

واتساب سلسلة المتفوق

01020508205



جروب المتفوق  
على فيس بوك



قناة المتفوق  
على يوتيوب



جروب المتفوق  
على تيليجرام

مراجعة  
الشهر



للتنبيه، يرجى كتابة اسم  
عارة العمل على  
15322

الحوال الأحمر المصري

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# November questions bank

## Question 01 Choose the correct answers

1. Light is .....
  - a. Has a magnetic force.
  - b. Is a form of energy.
  - c. is made up of matter.
  - d. takes up space.
2. All of the following are transparent objects, except .....
  - a. water
  - b. air
  - c. glass
  - d. paper
3. Our eyes help us see what's around us. What is the organ responsible for perceiving what we see with our eyes?
  - a. The brain
  - b. the stomach.
  - c. the lungs.
  - d. the esophagus.
4. Reading and writing are common types of communication in ..... World.
  - a. Animals.
  - b. plants.
  - c. humans.
  - d. birds.
5. Each of human, fishing cat and tarsier, .....
  - a. Becomes more active at night.
  - b. Has two eyes adapted for vision.
  - c. Has an excellent vision.
  - d. Has a mirror- like membrane in its eye.
6. Humans and animals use ..... to communicate.
  - a. movements
  - b. sound
  - c. light
  - d. all the pervious answers
7. .... eyes have a thin membrane in the back of the eye.
  - a. snake.
  - b. Tarsier monkey.
  - c. human.
  - d. bats.
8. Both tarsier and owl, .....
  - a. can fly.
  - b. birds.
  - c. can swim.
  - d. are nocturnal animals.
9. All the following considered as a source of light except .....
  - a. fire.
  - b. sun.
  - c. candle.
  - d. moon.







1. The organ responsible for the sense of sight.
  - a. The eye
  - b. the nose.
  - c. the ear.
  - d. the tongue.
11. Which of the following organs are working together for seeing different objects?
  - a. Tongue and brain.
  - b. Ears and brain.
  - c. nose and brain.
  - d. eyes and brain.
12. Sense organ collect information and send signals to ..... for processing and understanding.
  - a. Brain.
  - b. legs.
  - c. stomach.
  - d. hands.
13. Animals can communicate with each other through.....
  - a. Writing.
  - b. eating.
  - c. reading.
  - d. sound and light.
14. .... use echolocation by bouncing high- pitched sounds in the air.
  - a. Whales
  - b. snakes
  - c. bats
  - d. dolphins
15. Which statement best explains why you can see yourself when you look at a mirror?
  - a. Light is reflected as it passes through the mirror.
  - b. Light is refracted as it passes through the mirror.
  - c. Light is reflected, bouncing off the mirror.
  - d. Light is refracted, bouncing off the mirror.
16. Which of the following is a source of light?
  - a. Our eyes.
  - b. Fire
  - c. A mirror.
  - d. the moon
17. Which property of light helps you see yourself in a mirror?
  - a. relativity.
  - b. refraction.
  - c. absorption.
  - d. reflection.
18. What type of surface scatters light unevenly?
  - a. smooth
  - b. rough
  - c. shiny
  - d. transparent
19. which set of objects below would all reflect light well?
  - a. Metal spoon, mirror, aluminum foil.
  - b. Metal spoon, tree trunk, aluminum foil.







- c. Aluminum foil, brick wall, mirror.
- d. Mirror, spoon, tree trunk, aluminum foil.

In penguin's body, the insulating layer of fat and dense feathers protect its body from .....

- a. Warm water.
- b. cold water.
- c. warm air.
- d. cold air.

2 . The organ that is responsible for the sense of sight is .....

- a. Nose.
- b. tongue.
- c. eye.
- d. ear.

2 1 . Raise the thumb up or lower it down a kind of .....

- a. lights.
- b. codes.
- c. colors.
- d. waves.

2 2 . When light rays hit an object, all the following sentences are correct, except .....

- a. some of rays may go through the object
- b. Some of rays is bounced off the object.
- c. Some of rays reflects to our ears causing hearing.
- d. Some of rays is absorbed by the object.

2 3 . Opaque material .....

- a. Absorbs some of light that fall on it and bounces off the other.
- b. Absorbs some of light that fall on it only.
- c. Allows light to pass through.
- d. Bounces off some of light that fall on it only.

2 4 . The light waves travel in the air as .....

- a. Circular lines.
- b. Curved lines.
- c. straight lines.
- d. zigzag lines

2 5 . In morse code, long flashes can be used instead of .....

- a. Dashes only.
- b. neither dots nor dashes.
- b. Dots only.
- d. both dots and dashes.

2 6 . Echolocation is the use of ..... - pitched sounds for finding food.

- a. Very low
- b. medium.
- c. high
- d. low

2 7 . Changing the pattern of lighting up in a firefly is an example of ..... adaptation (s)







a. Physical and behavioral

b. Structural and behavioral

c. only structural

d. only behavioral

28. A firefly is not a bird, but it is a type of .....

a. lizards.

b. reptiles

c. beetles.

d. amphibians

29. the eye lens redirects the entered light rays, where all redirected rays are collected in ..... On the back of the eye.

a. one point

c. four points.

b. three points

d. two points

### Question 02

Write scientific term of each of the following:

1. It is a pattern that has meaning. (.....)
2. A tool used by the man works as the eyes of fishing cats at night. (.....)
3. It is the organ of sight that is affected by light in humans and animals (.....)
4. It is form nocturnal animals can turn its head 180 degree and has long tail. (.....)
5. It is a visible form of energy that travels in form of waves. (.....)
6. They are objects that don't allow light to pass through. (.....)
7. The main source of light. (.....)
8. It is a visible form of energy that travels in form of waves. (.....)
9. It is a thin layer at the back of some animal's eyes reflects light. (.....)
10. Sense organ that can detect light energy. (.....)
11. It is a code in form of sounds used to transfer information. (.....)
12. the material which allows light to pass through it. (.....)
13. the short deeps of morse code. (.....)
14. it is a simple code consists of short beeps (dots) and long beeps (dashes). (.....)
15. It is a code that use symbols in a pattern to give a specific meaning according to the arrangement of letter in a word. (.....)
16. It is a device help blind person in walking by emitting a high- pitched sounds. (.....)







17. The long beeps in morse code. (.....)
18. A season in which the humpback whale produces low- pitched sound (.....)
19. A type of beetles that produce flashlight using their wings. (.....)
20. Sense organ that can detect sound energy. (.....)
21. A season in which the humpback whale produces high- pitched sound. (.....)
22. An animal that can turn its head backwards, and has a bowl-shaped face and large eyes. (.....)
23. A body that appears lighted in the sky at night, but it is not considered as a source of light. (.....)

**Question 03 Give reasons for:**

1. We can see objects when light fall on it.  
.....
2. Fishing cat eyes glow in the dark.  
.....
3. Nocturnal animals can see in the dark  
.....
4. Fire flies use its wings to form different flash patterns  
.....
5. Humans use reading, writing and speaking  
.....
6. Blind person uses special cane during walking  
.....
7. People use signal fires  
.....
8. Moon is not considered as a source of light.  
.....
9. Whales use hearing sense as songs tones.  
.....
10. We can see objects behind transparent materials.  
.....
11. The pupils of nocturnal animals' eyes open wider than human's eyes







12. You can see an object placed behind a glass cup.

**Question 04 What happen if?**

- 1. Light falls on a transparent body such as a glass window.  
.....
- 2. A danger becomes close to the colony of ants  
.....
- 3. Light falls on a book  
.....
- 4. The sound waves produced by a bat hits an insect  
.....
- 5. Nocturnal animals don't have tapetum lucidum  
.....
- 6. If bats lose the ability to hear by using echolocation property.  
.....
- 7. Light falls on a rough surface such as painted surface  
.....
- 8. A scout bee becomes far away from the flower  
.....
- 9. We use flash led light near fire flies  
.....
- 10. The traffic light becomes red while you are going to cross road.  
.....
- 11. The amount of food in a colony of ants decreases  
.....
- 12. The cane of a blind person picks up echo  
.....





Question 05

Put ✓ or x

1. Some animals can see at light, such as a wild cat ( )
2. Animals can use more than one senses to communicate with each other. ( )
3. Wood is a transparent object that allows light to pass through it. ( )
4. Bees can know the sweet taste by their sense of smell. ( )
5. The sense of hearing of dolphin is stronger than human. ( )
6. Human has a tapetum lucidum in his eye to help him see at night. ( )
7. Speaking, writing are ways to communicate with people. ( )
8. Both morse code and humpback whale depend on sound energy. ( )
9. In order to translate the code, the brain must identify it. ( )
10. Bats use their sense of smell to avoid dangers. ( )
11. If I can see my face clearly on a surface, this means that it is a smooth, shiny surface. ( )
12. The moon is source of light. ( )
13. Wood is a transparent object that allows light to pass through is. ( )
14. Fishing cat has a mirror- like membrane on the back of the eye. ( )

Question 06 Complete:

1. ...., .....and .....are sources of light.
2. Light is a visible form of energy that travels in form of .....
3. Human need ..... to see in the dark.
4. When light fall from source of light on object, it .....to our eyes.
5. Some animals have the ability to see in the dark because of .....







6. .... will form when light hits opaque objects and no light pass through the body.
7. Light is a visible form of energy that travels in form of .....
8. Morse code consists of ..... and .....
9. .... do special dances to tell others the direction and distances to food and water.
10. I saw an eye shining in the dark, this animal could be .....

# المستفوق

إعداد

## د/ سالي أحمد

### عرفة





20  
25

الصف الرابع  
الابتدائي  
الفصل  
الدراسي الاول

4

اصحاب الأرض

تحت إشراف وزارة التربية والتعليم الفلسطينية

فلسطين  
تضامني

# المتفوق

SCIENCE



إعداد

د / سالي أحمد عرفقة

4

واتساب سلسلة المتفوق  
01020508205



جروب المتفوق  
على فيس بوك



قناة المتفوق  
على يوتيوب



جروب المتفوق  
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الشهر



للتنبيه بإعانة أه  
عزة الصل على  
15322

الطوال الأحمر الحصري

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# November Model Answers

## Question 01 Choose the correct answers

1. Light is .....
  - a. Has a magnetic force.
  - b. **Is a form of energy.**
  - c. is made up of matter.
  - d. takes up space.
2. All of the following are transparent objects, except .....
  - a. water
  - b. air
  - c. glass
  - d. **paper**
3. Our eyes help us see what's around us. What is the organ responsible for perceiving what we see with our eyes?
  - a. **The brain**
  - b. the stomach.
  - c. the lungs.
  - d. the esophagus.
4. Reading and writing are common types of communication in ..... World.
  - a. Animals.
  - b. plants.
  - c. **humans.**
  - d. birds.
5. Each of human, fishing cat and tarsier, .....
  - a. Becomes more active at night.
  - b. **Has two eyes adapted for vision.**
  - c. Has an excellent vision.
  - d. Has a mirror- like membrane in its eye.
6. Humans and animals use ..... to communicate.
  - a. movements
  - b. sound
  - c. light
  - d. **all the pervious answers**
7. .... eyes have a thin membrane in the back of the eye.
  - a. snake.
  - b. **Tarsier monkey.**
  - c. human.
  - d. bats.
8. Both tarsier and owl, .....
  - a. can fly.
  - b. birds.
  - c. can swim.
  - d. **are nocturnal animals.**







9. All the following considered as a source of light except .....
- a. fire.                      b. sun.                      c. candle.                      **d. moon.**
1. The organ responsible for the sense of sight.
- a. **The eye**                      c. the ear.  
b. the nose.                      d. the tongue.
- 1 1. Which of the following organs are working together for seeing different objects?
- a. Tongue and brain.                      c. nose and brain.  
b. Ears and brain.                      d. **eyes and brain.**
- 1 2. Sense organ collect information and send signals to ..... for processing and understanding.
- a. **Brain.**                      b. legs.                      c. stomach.                      d. hands.
- 1 3. Animals can communicate with each other through.....
- a. Writing.                      b. eating.                      c. reading.                      **d. sound and light.**
- 1 4. .... use echolocation by bouncing high- pitched sounds in the air.
- a. Whales                      b. snakes                      **c. bats**                      d. dolphins
- 1 5. Which statement best explains why you can see yourself when you look at a mirror?
- a. Light is reflected as it passes through the mirror.  
b. Light is refracted as it passes through the mirror.  
c. **Light is reflected, bouncing off the mirror.**  
d. Light is refracted, bouncing off the mirror.
- 1 6. Which of the following is a source of light?
- a. Our eyes.                      c. A mirror.  
**b. Fire**                      d. the moon
- 1 7. Which property of light helps you see yourself in a mirror?
- a. relativity.                      c. absorption.  
b. refraction.                      **d. reflection.**
- 1 8. What type of surface scatters light unevenly?
- a. smooth                      **b. rough**                      c. shiny                      d. transparent







19. which set of objects below would all reflect light well?

- a. **Metal spoon, mirror, aluminum foil.**
- b. Metal spoon, tree trunk, aluminum foil.
- c. Aluminum foil, brick wall, mirror.
- d. Mirror, spoon, tree trunk, aluminum foil.

In penguin's body, the insulating layer of fat and dense feathers protect its body from .....

- a. Warm water.
- b. cold water.
- c. warm air.
- d. cold air.**

20. The organ that is responsible for the sense of sight is .....

- a. Nose.
- b. tongue.
- c. eye.**
- d. ear.

21. Raise the thumb up or lower it down a kind of .....

- a. lights.
- b. **codes.**
- c. colors.
- d. waves.

22. When light rays hit an object, all the following sentences are correct, except .....

- a. some of rays may go through the object
- b. Some of rays is bounced off the object.
- c. Some of rays reflects to our ears causing hearing.**
- d. Some of rays is absorbed by the object.

23. Opaque material .....

- a. **Absorbs some of light that fall on it and bounces off the other.**
- b. Absorbs some of light that fall on it only.
- c. Allows light to pass through.
- d. Bounces off some of light that fall on it only.

24. The light waves travel in the air as .....

- a. Circular lines.
- C. straight lines.**
- b. Curved lines.
- d. zigzag lines

25. In morse code, long flashes can be used instead of .....

- a. Dashes only.
- b. neither dots nor dashes.
- b. Dots only.
- d. both dots and dashes.**

26. Echolocation is the use of ..... - pitched sounds for finding food.







- a. Very low                      b. medium.                      c. **high**                      d. low

27. Changing the pattern of lighting up in a firefly is an example of ..... adaptation (s)

- a. Physical and behavioral                      c. only structural  
b. Structural and behavioral                      **d. only behavioral**

28. A firefly is not a bird, but it is a type of .....

- a. lizards.                      b. reptiles                      **c. beetles.**                      d. amphibians

29. the eye lens redirects the entered light rays, where all redirected rays are collected in ..... On the back of the eye.

- a. **one point**                      c. four points.  
b. three points                      d. two points

### Question 02

Write scientific term of each of the following:

1. It is a pattern that has meaning. (code)
2. A tool used by the man works as the eyes of fishing cats at night. (night vision goggles)
3. It is the organ of sight that is affected by light in humans and animals (eye)
4. It is form nocturnal animals can turn its head 180 degree and has long tail. (tarsier)
5. It is a visible form of energy that travels in form of waves. (light)
6. They are objects that don't allow light to pass through. (opaque)
7. The main source of light. (sun)
8. It is a visible form of energy that travels in form of waves. (light)
9. It is a thin layer at the back of some animal's eyes reflects light. (tapetum lucidum)
10. Sense organ that can detect light energy. (eye)
11. It is a code in form of sounds used to transfer information. (language)
12. the material which allows light to pass through it. (transparent material)
13. the short deeps of morse code. (dots)
14. it is a simple code consists of short beeps (dots) and long beeps (dashes). (morse code)







15. It is a code that use symbols in a pattern to give a specific meaning according to the arrangement of letter in a word. (**writing**)
16. It is a device help blind person in walking by emitting a high- pitched sounds. (**blind people cane**)
17. The long beeps in morse code. (**dashes**)
18. A season in which the humpback whale produces low- pitched sound (**summer**)
19. A type of beetles that produce flashlight using their wings. (**fireflies**)
20. Sense organ that can detect sound energy. (**ear**)
21. A season in which the humpback whale produces high- pitched sound. (**winter**)
22. An animal that can turn its head backwards, and has a bowl-shaped face and large eyes. (**owl**)
23. A body that appears lighted in the sky at night, but it is not considered as a source of light. (**moon**)

### Question 03 Give reasons for:

1. We can see objects when light fall on it.  
**Because of light reflection.**
2. Fishing cat eyes glow in the dark.  
**Because it has a mirror-like membrane at the back of its eyes which reflect light.**
3. Nocturnal animals can see in the dark  
**Because of tapetum lucidum.**
4. Fire flies use its wings to form different flash patterns  
**To warm off predators or to attract a mate**
5. Humans use reading, writing and speaking  
**To communicate with each other**
6. Blind person uses special cane during walking  
**Because it makes vibration to tell the blind person using it where objects around him located.**
7. People use signal fires  
**To communicate over distances.**







8. Moon is not considered as a source of light.

**Because it reflects sun light that falls on it.**

9. Whales use hearing sense as songs tones.

**To communicate with each other.**

10. We can see objects behind transparent materials.

**Because transparent materials allow most of light to pass through it.**

11. The pupils of nocturnal animals' eyes open wider than human's eyes

**To allow more light to enter the eye.**

12. You can see an object placed behind a glass cup.

**Because the glass cup is a transparent material.**

### Question 04 What happen if?

1. Light falls on a transparent body such as a glass window.

**Light passes through the glass window.**

2. A danger becomes close to the colony of ants

**Soldier ants send smelly messages**

3. Light falls on a book

**Light will reflect on our eyes so we can see the book**

4. The sound waves produced by a bat hits an insect

**The sound waves return back to the bat inform of echo so bat can detect the place of insects.**

5. Nocturnal animals don't have tapetum lucidum

**They cannot see in the dark**

6. If bats lose the ability to hear by using echolocation property.

**They cannot hunt at night.**

7. Light falls on a rough surface such as painted surface

**Light rays will "scattered" or reflect in different directions**

8. A scout bee becomes far away from the flower

**It dances three or more dances**

9. We use flash led light near fire flies

**Fire flies responded by flashing back the same flash pattern at the same time.**

10. The traffic light becomes red while you are going to cross road.





**The eyes send a message to brain- brain process information (stop walking)**

11. The amount of food in a colony of ants decreases

**Nurse ants produce smelly message to scout ants.**

12. The cane of a blind person picks up echo

**The cane changes echo to vibration that the blind person senses it by his thumb**

### Question 05

Put ✓ or x

1. Some animals can see at light, such as a wild cat (✓)
2. Animals can use more than one senses to communicate with each other. (✓)
3. Wood is a transparent object that allows light to pass through it. (x)
4. Bees can know the sweet taste by their sense of smell. (x)
5. The sense of hearing of dolphin is stronger than human. (✓)
6. Human has a tapetum lucidum in his eye to help him see at night. (x)
7. Speaking, writing are ways to communicate with people. (✓)
8. Both morse code and humpback whale depend on sound energy. (✓)
9. In order to translate the code, the brain must identify it. (✓)
10. Bats use their sense of smell to avoid dangers. (x)
11. If I can see my face clearly on a surface, this means that it is a smooth, shiny surface. (✓)
12. The moon is source of light. (x)







13. Wood is a transparent object that allows light to pass through is. (x)
14. Fishing cat has a mirror- like membrane on the back of the eye. (✓)

## Question 06

## Complete:

1. **Sun, candle** and **fire** are sources of light.
2. Light is a visible form of energy that travels in form of **waves**.
3. Human need **night vision goggles** to see in the dark.
4. When light fall from source of light on object, it **bounces off** to our eyes.
5. Some animals have the ability to see in the dark because of **tapetum lucidum**.
6. **shadow** will form when light hits opaque objects and no light pass through the body.
7. Light is a visible form of energy that travels in form of **waves**.
8. Morse code consists of **dots** and **dashes**.
9. **Honey bees** do special dances to tell others the direction and distances to food and water.
10. I saw an eye shining in the dark, this animal could be **cat** (**nocturnal animals**).

إعداد  
د/ سالي أحمد  
عرفة

