



Science

Grade 4

First Term 2025 - 2026

November Revision

Mr. Ahmed Elbasha

Theme One (Concept Three)

Theme Two (Concept One)

*** طبقاً لأخر تعديل في المادة للعام الدراسي 2025-2026**



November Revision

Mr. Ahmed Elbasha

✱ (1) Write the scientific term:

- 1) It is a push or pull that is applied to an object causes it to change its position. (.....)

- 2) The force that pulls objects down toward the Earth. (.....)

- 3) The organ that is affected by light and responsible for sight. (.....)

- 4) A body that appears lighted in the sky, but it is not considered as a source of light. (.....)

- 5) The visible form of energy that enables us to see. (.....)

- 6) The organ that is responsible for processing information received by eyes, to know and recognize the surroundings (.....)

- 7) The structural adaptation that gives fishing cat an excellent night vision (.....)

- 8) Materials that allow light to pass through. (.....)

- 9) Materials that we cannot see through it. (.....)

- 10) A type of surfaces that reflects light in different directions (.....)

- 11) Sense organ that can detect sound energy (.....)

- 12) Sense organ that can detect light energy (.....)

- 13) It is a force that slows down the motion of moving objects. (.....)

12..... allows most of light to pass through, whiledon't.

- a. Air - glass b. Glass - air c. Wood - glass d. Glass -wood

13.Mirror causes falling light rays to

- a. pass through it. b. reflect at the same angle they strike the mirror.
c. reflect in different directions. d. diffuse like that of rough surfaces.

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

- a. color b. shape c. size d. position

15.When you sit on a chair, the force of gravity isand holding you in the chair.

- a. pulling you upward. b. pulling you downward.
c. pushing you upward. d. pushing you downward.

16.Which of the following will cause an object to move?

- a. Balanced forces. b. Unbalanced forces.
c. Sound energy d. Light energy.

17.All of the following are examples of motion, except

- a. a running person. b. a ball travelling through the air.
c. a flying bird. d. a sleeping dog.

18.You can see the movement of the following objects, except the movement of

- a. a flying airplane. b. a running horse.
c. sea waves. d. the planet Earth.

19.Gravity is a force that

- a. pushes objects down toward the Earth. b. pulls objects down toward the Earth.
c. pushes objects toward the sky. d. pulls objects toward the sky.

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

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

21. Reading and writing are common types of communication in world.

- a. humans b. animals c. birds d. plants

22.Which of the following is not a reason for fireflies to produce a flash light?

- a. To attract a mate. b. For communication.
c. To warn off from predators. d. To hear in the dark.

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

- a. structural and behavioral b. physical and behavioral
c. only structural d. only behavioral

24. People can use the following ways to communicate, except

- a. reading. b. writing. c. speaking. d. flying.

25. The force that occurs when an object rubs against another object is called

- a. friction. b. gravity. c. push. d. pull.

26. The force that tries to stop an object moving on a surface is called

- a. gravity. b. friction. c. push. d. pull.

27. There is a force between the car tires and the road that acts to decrease car's speed gradually.

- a. gravity b. pulling c. pushing d. friction

28. Push or pull actions are considered as types of

- a. force. b. device. c. energy. d. adaptation.

29. When you move something toward you, this represents

- a. pushing force. b. light energy.
c. pulling force. d. sound energy.

30. All of the following are forms of codes, except

- a. thumb up and down hands. b. faces expressions.
c. writing. d. swimming.

31. Sense organs collect information and send signals tofor processing and understanding.

- a. hands b. legs c. brain d. stomach

32. When your eyes see a red traffic light, this means that you have to

- a. increase your speed. b. cross the street.
c. keep your speed as it is. d. stop at once.

33. People use a rescue flare to communicate with each other depending on the sense of ..

- a. hearing. b. sight. c. smell. d. touch.

34. All the following signals are information that the eyes receive, except

- a. green traffic light. b. fire alarm.
c. signal fires. d. rescue flare.

*** (3) Put (\checkmark) or (X)**

1. Cats have excellent night vision, while humans are not. ()
2. The moon is not considered as a light source. ()
3. We can see the moon bright although it doesn't emit any light. ()
4. Both of the moon and the cat's eyes reflect the light that falling on them. ()
5. Big eyes of fishing cat allow to gather and reflect any little amount of light ()
6. The light that enters the human eyes allows him to distinguish between weak and strong sounds. ()
7. Rough objects tend to reflect light better than smooth objects. ()
8. Mirror reflects most of incoming light rays that fall on it. ()
9. The light reflection depends on smoothness of the object's surface ()
10. Speaking is the only way to communicate with people ()
11. Fireflies produce flash lights to warn off from predators. ()
12. Echolocation is a type of communication between humans. ()
13. A cell phone is a device that is used in communication between humans. ()
14. Unbalanced forces keep an object in its place without moving. ()
15. Unbalanced forces cause a change in the object position. ()
16. A normal truck can move faster than a jet airplane. ()
17. When a car crashes into a wall, it will not stop . ()
18. When a car runs out of fuel, its speed increases gradually until it stops. ()
19. If a person moves a table through a distance, there is a work done. ()
20. Hitting a tennis ball needs a pulling force. ()

✿(4) Complete the following sentences:

1. Humans can communicate with each other where ears of human detect energy and eyes of human detect energy.
2. Fireflies use energy in their communication.
3. Writing is a way of coding that uses the sense of to communicate
4. Fireflies use the sense of to communicate with each other.
5. Fireflies communicate with each other by producing a inside their bodies that makes them light up.
6. Watching TV is a type of communication that use the senses of and
7. The fishing cat can hunt at night due to the bouncing off energy.
8. The eyes of fishing cat have a mirror-like membrane bounces off the light, and this is considered as a adaptation.
9. The fishing cat can hunt at night depending on the excellent sense of
10. Human can see objects which give off their own light or objects which light.
11. Light travels in lines.
12. Cloth and paper are considered surfaces that scatter or diffuse energy.
13. Objects that light can't pass through are called, while objects that allow light to pass through are called
14. A tree forms a shadow as it is an object that doesn't allow to pass through

✱(5) Correct the underline

1.	The <u>balanced</u> forces cause the object to move.	(.....)
2.	The energy that helps humans and animals see, is the <u>sound energy</u> .	(.....)
3.	The <u>moon</u> is one of the light sources in the sky.	(.....)
4.	<u>Sound</u> is a visible form of energy that bounces off objects into our eyes.	(.....)
5.	Eyes send messages to the <u>heart</u> for processing information	(.....)
6.	Moving an object away from you represents a <u>pulling</u> force	(.....)
7.	Moving an object toward you represents a <u>pushing</u> force	(.....)
8.	Changing the position of an object relative to a fixed point is known as <u>force</u>	(.....)
9.	Moving object stops when a force of the same amount is applied to it in the <u>same</u> direction of its motion	(.....)
10.	If a car runs out of fuel, its speed <u>increases</u>	(.....)
11.	<u>Opaque</u> materials include water, glass, air and lenses.	(.....)
12.	The <u>moon</u> is one of the light sources	(.....)

✱(6) Give reasons for:

1. The moon appears bright although it is not source of light.

.....

2. The fishing cat's eyes seem to glow in the dark.

.....

3. Candle is considered as a source of light.

.....

4. Shadow of an opaque body is formed when light falls on it.

.....

5. A mirror can reflect light better than a painted surface.

.....

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

.....

7. Humans receive and send information through speaking, writing and reading.

.....

8. Fireflies use different patterns of flash lights to communicate with each other.

.....

✱(7) What happens if ... ?

1. The mirror-like membrane in the fishing cat's eyes is not present.

.....

2. The moon can't reflect the sunlight

.....

3. You place a wood sheet between a light source and a wall.

.....

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

.....

5. Light falls on a rough surface

.....

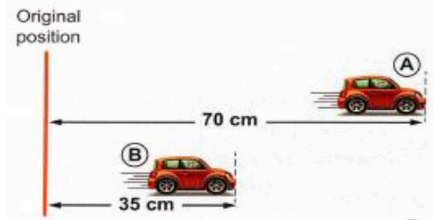
6. A firefly wants to attract amate to reproduce

.....

***(8) TRY TO ANSWER:**

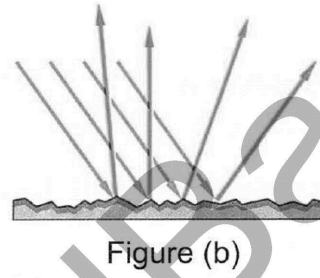
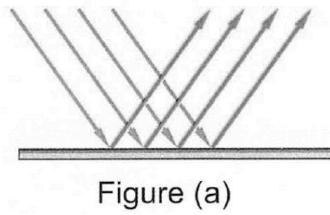
1

Which of these two cars is affected by a greater force?
(Give a reason for your answer).



2

Look at the following figures, then answer the questions below:



1. Complete:

- a. The surface in figure (a) is
- **Because**
- b. The surface in figure (b) is
- **Because**

2. Choose:

The surface in figure (a) may be

- a. plastic.
- b. wood.
- c. mirror.
- d. cloth.

3

Classify the following materials into opaque objects and transparent objects:
"Wood - Air - Water - Metal – Lenses"

Opaque objects	Transparent objects

Model Answer

* (1) Write the scientific term:

- | | | | |
|------------|-------------------------|-------------------------|--------------------|
| 1. Force | 5. Light energy | 8. Transparent material | 11. Ear |
| 2. Gravity | 6. Brain | 9. Opaque material | 12. Eye |
| 3. Eye | 7. Mirror like membrane | 10. Rough surface | 13. Friction force |
| 4. Moon | | | |

* (2) Choose the right answer:

- | | | | | | |
|------|-------|-------|-------|-------|-------|
| 1. B | 7. D | 13. B | 19. B | 25. A | 31. C |
| 2. C | 8. C | 14. D | 20. C | 26. B | 32. D |
| 3. C | 9. C | 15. B | 21. A | 27. D | 33. B |
| 4. B | 10. C | 16. B | 22. D | 28. A | 34. B |
| 5. D | 11. B | 17. D | 23. D | 29. C | |
| 6. D | 12. D | 18. D | 24. D | 30. D | |

* (3) Put (√) or (X)

- | | | | |
|--------|---------|---------|---------|
| 1. (√) | 6. (X) | 11. (√) | 16. (X) |
| 2. (√) | 7. (X) | 12. (X) | 17. (X) |
| 3. (√) | 8. (√) | 13. (√) | 18. (X) |
| 4. (√) | 9. (√) | 14. (X) | 19. (√) |
| 5. (√) | 10. (X) | 15. (√) | 20. (X) |

* (4) Complete the following sentences:

- | | | | |
|------------------|----------------------|-------------------|--------------------------|
| 1. Sound – light | 5. Chemical reaction | 9. Sight | 13. Opaque – transparent |
| 2. Light | 6. Sight , hearing | 10. Reflect | 14. Opaque – light |
| 3. Sight | 7. Light | 11. Straight | |
| 4. Sight | 8. Structural | 12. Rough – light | |

* (5) Correct the underline

- | | | | |
|-----------------|------------|-------------|-----------------|
| 1. Unbalanced | 4. Light | 7. Pulling | 10. Decrease |
| 2. Light energy | 5. Brain | 8. Motion | 11. Transparent |
| 3. Sun | 6. Pushing | 9. Opposite | 12. Sun |

* (6) Give reasons for:

- Because the moon reflects the sunlight.
- Because it has a mirror-like membrane at the back of its eyes which bounces off the light.
- Because it gives off its own light.
- Because the opaque body doesn't allow light to pass through.
- Because the mirror is more smooth than the painted surface.
- Because the glass cup is a transparent material which allows light to pass through.
- To communicate with each other.
- To warn off from predators or to attract a mate.

* (7) What happens if ... ?

- It doesn't have excellent night vision so cannot hunt at night.
- It seems to be dark and we can't see it.
- The shadow of the wood sheet is formed on the wall, because light rays cannot pass through it.
- Light passes through the glass window.
- Light rays are reflected in different directions.
- It produces a chemical reaction inside its body to light up and attract a mate.

* (8) TRY TO ANSWER:

1. A – because it moves longer distance

2.

1.

- smooth surface , because the light rays reflect in one direction.
- rough surface , because the reflected light rays scatter in different directions.

2. c

3. Opaque objects: wood , metal

Transparent objects: Air , water , lenses

تطبيق



مذكرات جاهزة للطباعة

لتحميل الملفات التعليمية مجاناً للمعلم والطالب

مذكرات وملازم / مراجعات وملخصات / امتحانات / كتب الوزارة /
أدلة المعلم / دفاتر التحضير / سجلات مدرسية / أوراق تأسيس

امسح الكود بموبايلك علشان تقدر تثبت التطبيق

وتقدر ف أي وقت تحمّل ال نفسك فيه ببلاش

هيغنيك عن البحث والجروبات والقنوات الكثيرة



تطبيق الموبايل لتحميل الملفات