



Science

Grade 4

First Term 2025 - 2026

October Revision

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Concept One + Two

* طبقاً لأخر تعديل في المادة للعام الدراسي 2025-2026



October Revision

Mr. Ahmed Elbasha

✱ (1) Write the scientific term:

- 1) A property that helps animals to blend in with their surrounding environment. (.....)
- 2) A characteristic that helps living organisms to survive and reproduce in the ecosystem in which they live (.....)
- 3) A type of foxes has a tan-colored fur. (.....)
- 4) A structural adaptation that fixes the kapok tree in soggy soil support its trunk. (.....)
- 5) A process of breaking down food into smaller parts that the body can use to get energy and grow. (.....)
- 6) It allows the air to pass from the nose to the trachea (.....)
- 7) Little air sacs surrounded by blood vessels in the respiratory system. (.....)
- 8) A large muscle that contracts during breathing in and relaxes during breathing out. (.....)
- 9) A system that helps in breaking down food into smaller parts (.....)
- 10) A group of organs that work together to perform a specific job (.....)
- 11) The organ, where the digestion process begins (.....)
- 12) The organ which receives the food from esophagus (.....)
- 13) An organ that has tiny blood vessels to absorb the nutrients through its walls (.....)
- 14) A long muscular tube that moves the food down into the stomach (.....)
- 15) A tube that allows air to pass into the two lungs (.....)
- 16) Structures that allow fish to breathe under water (.....)
- 17) A gas presents in air and water, and is very important for breathing process (.....)

- 18) A gas which the human and fish bodies must get rid of during exhalation process (.....)
- 19) A kind of pollution that is caused due to the exhausts from cars and some factories (.....)
- 20) The property that depends on the sense of hearing through which dolphins locate their preys under water. (.....)
- 21) The organ used to recognize different colors (.....)
- 22) A system which composed of brain, spinal cord and nerves. (.....)
- 23) The time taken by an organism's body to respond to different reactions. (.....)
- 24) A group of different animals that look for their preys at night (.....)
- 25) A property by which a bat can locate its prey insects through the sound reflected from them (.....)
- 26) A system that controls all the body functions, and nerves are one of its parts. (.....)
- 27) The organ responsible for processing information transmitted to it (.....)
- 28) An organ composed of a group of nerves located in the backbone, and sends messages from and to the brain (.....)
- 29) The time taken by an organism's body to respond to different reactions. (.....)
- 30) A group of ants which is responsible for sending smelly messages when there is a shortage of food. (.....)
- 31) Sense organ that can detect the odors. (.....)
- 32) A season in which the humpback whale produces high-pitched sound (.....)
- 33) A season in which the humpback whale produces low-pitched sound (.....)

✱(2) Choose the right answer:

1. Penguin's feet have blood vessels that bring up from its feet towards its body.

- a. cold water
b. warm water
c. cold blood
d. warm blood

2. The presence of a thick white fur is an adaptation in

- a. starred agama lizard
b. polar bear
c. fennec fox
d. forest bear

3. Fennec fox and caracal have that help them blend in with desert landscapes.

- a. colorful scales
b. thick white fur
c. sandy-colored feathers
d. sandy-colored fur

4. Penguins live in a polar climate which

- a. is one of the hottest places on Earth.
b. is one of the coldest places on Earth.
c. looks like the rainy climate.
d. looks like the forest climate.

5. Bull sharks can live in

- a. fresh water only.
b. salt water only.
c. seas, rivers and mud.
d. rivers, seas and oceans.

6. From umbrella-shaped trees are

- a. mangrove tree and acacia tree.
b. mangrove tree and kapok tree.
c. acacia tree and kapok tree.
d. barbary fig and water lily.

7. One of the structural adaptations of water lily plant is that it has

- a. long roots
b. needle leaves
c. tiny leaves
d. wide leaves.

8. All of the following are organs of the digestive system, except

- a. mouth
b. nose
c. stomach
d. esophagus

9. Digestion process begins in the

- a. stomach.
b. esophagus.
c. mouth
d. esophagus.

10. The organ that moves the food into the stomach is

- a. mouth
b. tongue
c. esophagus
d. small intestine

11. The undigested food pass from the small intestine into the

- a. liver
b. pancreas
c. brain
d. large intestine

23. The responsible system for moving your hand away from danger, such as touching a hot cup of tea, is the system.

- a. digestive b. respiratory c. nervous d. urinary

24. When your hand touches the spines of a cactus plant, it is withdrawn in

- a. less than one second. b. one minute.
c. two minutes. d. one hour.

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

- a. the spinal cord. b. nerves.
c. the brain. d. eyes.

26. Your sensation of hot weather depends on sensory receptors in the

- a. eyes. b. nose. c. ears. d. skin.

27. Closing your eyes quickly when strong light rays fall on them suddenly represents

- a. inhalation. b. reflex.
c. countershading. d. camouflage.

28. Sense organs collect information and send signals to for processing and understanding.

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

29. Bats use their to get information about their surroundings in the dark.

- a. nose b. tongue c. eyes d. ears

30. use echolocation by bouncing high-pitched sounds in the air.

- a. Bats b. Dolphins c. Whales d. Snakes

31. Alarming the colony from dangers is the role of

- a. queen ants. b. nurse ants. c. scout ants. d. soldier ants.

32. Humpback whales sing during months, which is the mating season.

- a. winter b. summer c. spring d. autumn

✳️(3) Put (√) or (X)

1. Living organisms can survive and reproduce in different environments by the help of adaptation. ()
2. Living organisms can adapt their environmental conditions through structural adaptation and behavioral adaptation. ()
3. Fennec fox has sandy-colored fur to help it make camouflage. ()
4. Plants have structural adaptation only to help them survive and grow in different environments. ()
5. Hand-shaped leaves of kapok tree is considered as a behavioral Adaptation ()
6. Mangrove trees adapt to resist the water waves through their long, strong roots. ()
7. Animals can't eat barbary fig due to its sharp spines. ()
8. The food passes through the large intestine before it goes into the small intestine. ()
9. Digestion process begins in the stomach with the help of saliva. ()
10. During exhalation, the diaphragm expands. ()
11. Mouth, nose, esophagus and stomach are from the organs of the digestive system. ()
12. The food gets broken down into nutrients in the small intestine . ()
13. Swallowing food without chewing keeps the digestive system healthy. ()
14. Digestive system ends by anus. ()
15. During inhalation, the size of chest becomes narrow. ()
16. Human breathes using gills, while fish breathes using lungs. ()
17. Gills are found on one side of a fish's head . ()
18. Pollution is one of the most dangerous problems that affect all living organisms. ()
19. Clean water and air are very important for respiration process in amphibians. ()
20. It is important to advice people not to throw waste materials in waterways to save amphibians' life. ()
21. Animals that active during the daytime are called nocturnal animals. ()
22. The Egyptian jerboa can jump for long distances depending on its long hind legs. ()
23. The habitat of the jerboa is similar to that of the polar bear. ()
24. Humpback whales produce more than one type of songs. ()

25. Animals communicate with each other by using different senses. ()
26. Humpback whales communicate with each other through flashing. ()
27. Humpback whales can sing under water. ()
28. We use our sense of smell to identify the color of a flower. ()
29. Bats depend on camouflage property to find its food. ()

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✱(4) Correct the underline

1	Fish use gills to extract <u>carbon dioxide gas</u> from the water.	(.....)
2	<u>Air</u> enters the mouth of a fish and then passes across the gills	(.....)
3	<u>Water pollution</u> is caused due to the smog of factories and cars	(.....)
4	Fish can breathe only in <u>air</u> .	(.....)
5	Amphibians have <u>gills</u> as well as humans for respiration	(.....)
6	Amphibians can take in <u>carbon dioxide gas</u> from air for respiration	(.....)
7	<u>Reptiles</u> have two different ways for breathing	(.....)
8	Humans and frogs can breathe in oxygen gas in <u>water</u>	(.....)
9	The dolphin has sharp sense of <u>touch</u> .	(.....)
10	The long hind legs of jerboa are considered as <u>behavioral</u> adaptation.	(.....)
11	The <u>digestive</u> system delivers messages through a network of nerves around all body parts.	(.....)
12	When your hand touches the spines of cactus plant, you move it away <u>slowly</u>	(.....)
13	Tongue is the sensory organ that is responsible for <u>smelling</u> sour lemon	(.....)
14	When a bat sends a sound against a wall, it returns to it. This phenomenon is called <u>camouflage</u> .	(.....)
15	The <u>spinal cord</u> is responsible for processing sound waves coming through ears	(.....)

Model Answer

* (1) Write the scientific term:

1. Camouflage	9. Digestive system	16. Gills	23. Reaction time	29. Reaction time
2. Adaptation	10. System	17. Oxygen	24. Nocturnal animal	30. Scout ants
3. Fennec fox	11. Mouth	18. Carbon dioxide	25. Echolocation	31. Nose
4. Buttress roots	12. Stomach	19. Air pollution	26. Nervous system	32. Winter
5. Digestion	13. Small intestine	20. Echolocation	27. Brain	33. Summer
6. Pharynx	14. Esophagus	21. Eyes	28. Spinal cord	
7. Alveoli	15. Trachea	22. Nervous system		

* (2) Choose the right answer:

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

* (3) Put (√) or (X) :

1. (√)	5. (X)	9. (X)	13. (X)	17. (X)	21. (X)	25. (√)	29. (X)
2. (√)	6. (√)	10. (X)	14. (√)	18. (√)	22. (√)	26. (X)	
3. (√)	7. (√)	11. (X)	15. (X)	19. (√)	23. (X)	27. (√)	
4. (X)	8. (X)	12. (√)	16. (X)	20. (√)	24. (√)	28. (X)	

* (4) Correct the underline:

1. Oxygen	5. Lung	9. Hearing	13. Tasting
2. Water	6. Oxygen	10. Structural	14. Echolocation
3. Air pollution	7. Amphibian	11. Nervous	15. Brain
4. Water	8. Air	12. Quickly	

تطبيق



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