

Active Science 3 – Chapters 1 & 2

Topics: Life Processes in Living Things & Plants

Total: 30 questions

Part A — Multiple Choice

Choose the best answer.

1. Mia sees a small bird flying, eating food, and looking for water. What can she conclude?
 - A. The bird is once alive.
 - B. The bird is a living thing.
 - C. The bird is never alive.
 - D. The bird is a fossil.

2. A toy car can move when someone pushes it. Why is the toy car NOT a living thing?
 - A. It is small.
 - B. It can move.
 - C. It cannot carry out life processes.
 - D. It is made of plastic.

3. Which observation gives the BEST evidence that a plant is alive?
 - A. It is green.
 - B. It is sitting in a pot.
 - C. It grows taller and produces new leaves.
 - D. It has soil around it.

4. A scientist finds a mark in a rock that looks like a leaf. What might it be?
 - A. A toy
 - B. A fossil
 - C. A seed
 - D. A root

5. Which pair contains things that were once alive?
 - A. Rock and glass
 - B. Plastic bottle and metal spoon
 - C. Wooden chair and paper
 - D. Toy car and pencil case

6. Sara says, "A wooden table is a living thing because it came from a tree." What is the BEST response?
 - A. She is correct because wood can grow.
 - B. She is correct because wood can move.
 - C. She is incorrect because the wood no longer carries out life processes.
 - D. She is incorrect because trees are not living things.

7. A kitten stops eating, growing, moving, and responding to its surroundings. What would be the most important question to ask first?
 - A. What colour is the kitten?
 - B. Is the kitten carrying out life processes?
 - C. How old is the kitten's owner?
 - D. Where did the kitten sleep?

8. Which life process helps a living thing produce young?

- A. Growth
- B. Reproduction
- C. Movement
- D. Excretion

9. A plant in a dark cupboard becomes weak and unhealthy. What is the most likely reason?

- A. It has too much space.
- B. It does not receive enough light.
- C. It has too many leaves.
- D. It is too green.

10. Why are roots important to a plant?

- A. They attract insects.
- B. They make flowers colourful.
- C. They absorb water and nutrients from the soil.
- D. They make the plant move.

11. Tom removes the roots from a small plant and puts it back into soil. After several days, the plant wilts. What is the BEST explanation?

- A. The leaves are too green.
- B. The roots are important for absorbing water and nutrients.
- C. The flowers are too small.
- D. The stem is making food.

12. Which plant part mainly transports water and nutrients around the plant?

- A. Stem
- B. Flower
- C. Fruit
- D. Seed

13. A plant has healthy roots and a strong stem, but its leaves are covered so that they receive very little light. What would you predict?

- A. The plant will probably not grow well.
- B. The plant will grow faster.
- C. The plant will become a fossil.
- D. The roots will turn into flowers.

14. Two identical plants are placed in different places.

* Plant A: receives enough water and light.

* Plant B: receives enough water but almost no light.

After one week, Plant A is healthier. What does this suggest?

- A. Water is not important.
- B. Light can affect plant health.
- C. Plants do not need roots.
- D. All plants need darkness.

15. A student wants to find out whether the amount of water affects plant growth. Which investigation would be the fairest?

- A. Give one plant water and put another plant in darkness.

- B. Give two similar plants different amounts of water but keep light, temperature, and type of plant the same.
- C. Give two different types of plants different amounts of water.
- D. Give one plant water and another plant fertilizer.

16. Which question is the BEST scientific question to investigate?

- A. Which plant is prettier?
- B. Do plants like my garden?
- C. How does the amount of light affect the growth of a bean plant?
- D. Why are flowers beautiful?

17. A cactus and a fern are growing in different places. The cactus needs less water than the fern. What can we conclude?

- A. All plants need exactly the same conditions.
- B. Different plants may need different conditions to grow well.
- C. Cacti are not living things.
- D. Ferns do not need water.

18. A student predicts that a plant placed near a window will grow better than a plant kept in a dark cupboard. After two weeks, the window plant is taller and healthier. What does the result suggest?

- A. The prediction is supported.
- B. The prediction is impossible.
- C. Plants do not need light.
- D. The experiment was about fossils.

19. Which change would MOST likely help a wilted plant recover if it has not received enough water?

- A. Put it in a dark cupboard forever.
- B. Give it a suitable amount of water.
- C. Remove all its leaves.
- D. Remove its roots.

20. You discover an unknown object in your garden. It looks like a leaf but is hard and has been preserved inside a rock. What should you do before deciding what it is?

- A. Immediately throw it away.
- B. Observe it carefully and collect evidence.
- C. Say it is definitely a toy.
- D. Water it.

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Part B — Cloze Science Grammar

Complete each sentence with the best word.

- 21. Living things need _____, food, and water to stay alive.
- 22. A plant's _____ absorb water and nutrients from the soil.
- 23. The _____ supports the plant and transports water to different parts.
- 24. Plants need suitable amounts of light, water, and _____ to grow healthily.

25. The remains or traces of living things preserved in rocks are called _____.
26. A plant can _____ when it does not receive enough water.
27. Living things can respond to changes in their _____.
28. The leaves of many plants help them make their own _____.
29. A thing that lived in the past but is no longer alive is described as _____ alive.
30. When scientists change one condition and keep the other conditions the same, they are carrying out a _____ test.

Essay:

Imagine you have one healthy plant, but you have to grow it inside a room with no windows. Design a simple solution to help the plant stay healthy. Draw your idea and explain how it will help the plant.
