

Markhor Junior Contest ®

Elementary Level (Class V & VI)

Science 2025

There are 25 questions, each carrying two marks.

- 1. Which graph is BEST to show change in temperature over time?**
 - a) Bar graph
 - b) Pie chart
 - c) Pictograph
 - d) Line graph
 - e) None of these

- 2. Cutting down forests mainly affects the environment by:**
 - a) Increasing rainfall
 - b) Improving soil quality
 - c) Reducing oxygen levels
 - d) Increasing biodiversity
 - e) None of these

- 3. Which action supports sustainable living?**
 - a) Using plastic bags daily
 - b) Burning fossil fuels
 - c) Wasting electricity
 - d) Using solar energy
 - e) None of these

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- 4. In a food web, decomposers are important because they:**
- a) Make food
 - b) Eat only plants
 - c) Eat only animals
 - d) Recycle nutrients back into soil
 - e) None of these
- 5. A fossil provides evidence about:**
- a) Future organisms
 - b) Artificial selection
 - c) Modern technology
 - d) Past life forms and evolution
 - e) None of these
- 6. Velcro was inspired by:**
- a) Bird wings
 - b) Spider webs
 - c) Fish scales
 - d) Burrs sticking to fur
 - e) None of these
- 7. The respiratory and circulatory systems work together to:**
- a) Digest food
 - b) Remove solid waste
 - c) Control movement
 - d) Transport oxygen to cells
 - e) None of these

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8. A solution is best described as:

- a) A visible mixture
- b) A solid substance
- c) A suspension
- d) A uniform mixture of substances
- e) None of these

9. Which is a compound?

- a) Air
- b) Salt (NaCl)
- c) Sand
- d) Soil
- e) None of these

10. Which simple machine changes the direction of force?

- a) Lever
- b) Wheel
- c) Wedge
- d) Pulley
- e) None of these

11. Earthquakes are mainly caused by:

- a) Wind movement
- b) Ocean waves
- c) Soil erosion
- d) Movement of tectonic plates
- e) None of these

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12. Which rock forms from lava or magma?

- a) Sedimentary
- b) Fossil rock
- c) Metamorphic
- d) Igneous
- e) None of these

13. Climate differs from weather because climate describes:

- a) Daily changes
- b) Hourly temperature
- c) Weekly rainfall
- d) Long-term weather patterns
- e) None of these

14. One major cause of climate change is:

- a) Plant growth
- b) Cloud formation
- c) Ocean currents
- d) Burning fossil fuels
- e) None of these

15. Which process helps a cut on your skin heal?

- a) Breathing
- b) Digestion
- c) Cell division for growth and repair
- d) Photosynthesis
- e) None of these

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16. When a moving ball is not pushed, it slowly stops because of:

- a) Gravity
- b) Magnetism
- c) Friction
- d) Electricity
- e) None of these

17. A rainbow is usually seen after rain because:

- a) Rain cools the air
- b) Sunlight passes through water drops
- c) Clouds block sunlight
- d) Wind mixes colors
- e) None of these

18. Which part of the cell carries instructions for growth?

- a) Cell wall
- b) Cytoplasm
- c) Nucleus
- d) Vacuole
- e) None of these

19. Why are shoe soles rough?

- a) To look nice
- b) To increase speed
- c) To reduce friction
- d) To prevent slipping
- e) None of these

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- 20. Why do small paper pieces stick to a rubbed balloon?**
- a) Gravity
 - b) Heat
 - c) Static electricity
 - d) Magnetism
 - e) None of these
- 21. Why is coal called a non-renewable resource?**
- a) It is cheap
 - b) It forms quickly
 - c) It can be reused
 - d) It takes millions of years to form
 - e) None of these
- 22. Which of the following provides energy directly to living cells?**
- a) Water
 - b) Protein
 - c) Carbohydrates
 - d) Vitamins
 - e) None of these
- 23. Sara is doing a science project at school. She pours the same amount of water into four identical bowls and places them in different spots around her house. One bowl is kept in a sunny window, another in a shaded room, the third under a fan, and the fourth in a cool corner. After a few hours, Sara notices that the**

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water in some bowls has disappeared faster than in others. She wants to find out which factor caused the water to evaporate more quickly. Which factor would MOST affect the rate of evaporation in Sara's experiment?

- a) The color of the container
- b) The amount of sunlight
- c) The shape of the container
- d) The type of spoon used
- e) None of these

24. Maya has several small plants growing in pots at her home. Some of the pots are placed on the balcony near a sunny window, where the plants receive plenty of sunlight each day. Other pots are kept in a corner of the room, where there is very little sunlight.

After a few weeks, Maya observes that the plants near the sunny window are taller, greener, and healthier, while the plants in the darker corner are shorter and weaker. Curious about this difference, Maya wants to understand how sunlight affects plant growth.

Which factor MOST likely explains the difference in plant growth?

- a) Plants in the dark grow faster
- b) Sunlight provides energy for photosynthesis
- c) Water alone makes plants grow taller
- d) Soil type does not affect growth
- e) None of these

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- 25. Ali observed that when he rubs a balloon on his hair, it sticks to the wall. He then tries rubbing a plastic comb on his hair, and the comb picks up small paper pieces. What BEST explains why these objects attract other things?**
- a) Gravity pulls them together
 - b) Static electricity causes the attraction
 - c) Magnetism is created by rubbing
 - d) The objects are sticky naturally
 - e) None of these