

Markhor Junior Contest ®

Learner Level (Class III & IV) Science 2024

There are 25 questions, and each question carries two marks.

1. What is the largest planet in our solar system?
 - a) Venus
 - b) Sun
 - c) Earth
 - d) **Jupiter**
2. Which of the following planets is commonly known as the "Red Planet"?
 - a) **Mars**
 - b) Jupiter
 - c) Venus
 - d) Mercury
3. Which planet has the closest average distance to the Sun?
 - a) Earth
 - b) Mars
 - c) **Mercury**
 - d) Venus
4. Which one shines only because it reflects light from another source, rather than producing its own light?
 - a) Sun
 - b) Stars
 - c) **Moon**
 - d) Candle
5. What is required to change solid ice into liquid water?
 - a) Cold
 - b) Pressure
 - c) **Heat**
 - d) Light
6. What is the word for when something moves from one place to another?
 - a) Speed
 - b) **Motion**
 - c) Distance
 - d) Gravity

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7. What is the largest animal on our planet?
 - a) Shark
 - b) Elephant
 - c) **Blue whale**
 - d) Giraffe

8. What process do plants use to turn sunlight into energy?
 - a) Cycle
 - b) **Photosynthesis**
 - c) Transpiration
 - d) Germination

9. What gas do plants release that is essential for human and animal respiration?
 - a) **Oxygen**
 - b) Carbon dioxide
 - c) Nitrogen
 - d) Helium

10. Which one makes its own food from sunlight?
 - a) Animal
 - b) **Plant**
 - c) Fish
 - d) Mammal

11. What is the main function of a stem?
 - a) To protect the plant with thorns
 - b) To do nothing
 - c) To defend against animal damage
 - d) **To support the plant and transport water and minerals**

12. Which of the following organisms are capable of producing their own food through photosynthesis?
 - a) Animals
 - b) Fungi
 - c) **Plants**
 - d) Bacteria

13. What type of organisms are essential for supporting all life on Earth?
 - a) Insects
 - b) Mammals
 - c) Carnivores
 - d) **Green plants**

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14. Two years ago, Aaliyah's mother put up black curtains in their window. Over time, the curtains have lost their brightness. What color would you expect the curtains to be now?
- a) Green
 - b) Blue
 - c) **Grey**
 - d) Pink
15. Amirah wondered, 'When do most leaves fall off the trees?' She measured the depth of leaves on the forest floor and got the following results: February: 3 inches, May: 2 inches, August: 0.5 inches, November: 5 inches. When do most leaves fall off the trees?
- a) In winter
 - b) In spring
 - c) In summer
 - d) **In autumn**
16. What is the outermost layer of the skin called?
- a) Dermis
 - b) **Epidermis**
 - c) Hypodermis
 - d) Subcutaneous
17. What is the main function of the circulatory system?
- a) To digest food
 - b) To produce energy
 - c) **To move substances throughout the body**
 - d) To protect the body from pathogens
18. What type of animals have soft, fleshy bodies and no backbones?
- a) Vertebrates
 - b) **Invertebrates**
 - c) Mammals
 - d) Reptiles
19. What is the main function of a fruit?
- a) To produce new seeds
 - b) **To protect the seed that produces new plants**
 - c) To provide nutrients to the plant
 - d) To absorb water from the soil

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20. What type of animals produce milk to feed their young through mammary glands?
- a) **Mammals**
 - b) Reptiles
 - c) Amphibians
 - d) Birds
21. What property of a material allows it to be shaped into thin sheets or flattened when hammered?
- a) Brittleness
 - b) Ductility
 - c) **Malleability**
 - d) Hardness
22. What property of a material enables it to return to its original shape and size after being stretched or deformed?
- a) **Elasticity**
 - b) Plasticity
 - c) Flexibility
 - d) Rigidity
23. What is the term for the amount of space occupied by a substance or object?
- a) Mass
 - b) **Volume**
 - c) Density
 - d) Weight
24. What is the term for the remains or traces of living organisms from the past?
- a) **Fossils**
 - b) Minerals
 - c) Rocks
 - d) Soil
25. What is the process by which water moves through a plant, from the roots to the leaves, and is then released into the air as water vapor?
- a) Respiration
 - b) Photosynthesis
 - c) **Transpiration**
 - d) Evaporation