

Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2015

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

1. **Observing and recording data during an experiment is called:**
 - A) Hypothesis
 - B) Experiment
 - C) Data collection**
 - D) Conclusion
2. **Why do scientists use graphs and charts?**
 - A) To make data colorful
 - B) To help understand data quickly**
 - C) To avoid writing conclusions
 - D) To create more work
3. **Conservation means:**
 - A) Using resources carefully and protecting nature**
 - B) Destroying forests
 - C) Making pollution
 - D) Hunting animals freely
4. **Which of the following is an example of using recycled materials?**
 - A) Making paper from old newspapers**
 - B) Burning plastic
 - C) Cutting down trees for paper
 - D) Using single-use plastic bottles
5. **The cell membrane is important because it:**
 - A) Produces energy
 - B) Controls what enters and leaves the cell**
 - C) Stores DNA
 - D) Makes proteins
6. **Which of these is a decomposer?**
 - A) Lion
 - B) Mushroom**
 - C) Rabbit
 - D) Grass
7. **Which of these is a structural adaptation?**
 - A) Thick fur of polar bears**
 - B) Hunting at night
 - C) Storing food in the winter
 - D) Living in groups



Markhor Junior Contest ®

8. **Biomimicry often studies:**

- A) **Nature's forms, processes, and ecosystems**
- B) Human history only
- C) Space travel only
- D) Food recipes

9. **Blood carries:**

- A) **Food, oxygen**
- B) Only oxygen
- C) Only water
- D) Only nutrients

10. **Which system delivers nutrients absorbed from food to cells?**

- A) Respiratory system
- B) **Circulatory system**
- C) Nervous system
- D) Excretory system

11. **A mixture where substances are evenly distributed is called:**

- A) Heterogeneous mixture
- B) **Homogeneous mixture**
- C) Compound
- D) Solution only

12. **Evaporation is commonly used to:**

- A) Separate colored inks
- B) **Obtain salt from seawater**
- C) Remove insoluble solids
- D) Separate gases

13. **Which of these is a real-life example of a concentrated solution?**

- A) **Strong sugar syrup**
- B) Weak tea
- C) Diluted milk
- D) Water

14. **Which of these is a pure substance?**

- A) Salt and water mixture
- B) **Oxygen gas**
- C) Sand and sugar mixture
- D) Oil and water

Markhor Junior Contest ®

15. Which of these is NOT a base?
- A) Soap
 - B) Milk of magnesia
 - C) Sodium hydroxide
 - D) Lemon juice**
16. Which of these is an example of a pulley?
- A) Flagpole rope system**
 - B) Knife
 - C) Door hinge
 - D) Wheelbarrow
17. Which of these completes a circuit when closed?
- A) Switch turned on**
 - B) Magnet applied
 - C) Wire removed
 - D) Insulator inserted
18. Which material can hold static electricity easily?
- A) Rubber or plastic**
 - B) Metal
 - C) Copper
 - D) Aluminum
19. Turning off the electric current in an electromagnet:
- A) Makes it stop being magnetic**
 - B) Increases its strength
 - C) Changes its poles
 - D) Makes it permanent
20. Which of these materials lets most light pass through?
- A) Transparent materials**
 - B) Translucent materials
 - C) Opaque materials
 - D) Metals
21. Which gas do plants release during photosynthesis?
- A) Carbon dioxide
 - B) Oxygen**
 - C) Nitrogen
 - D) Helium

Markhor Junior Contest ®

22. Which simple machine helps lift heavy objects using a wheel and rope?

- A) Lever
- B) Pulley**
- C) Wedge
- D) Screw

23. Which part of a plant makes food using sunlight?

- A) Root
- B) Stem
- C) Leaf**
- D) Flower

24. A force can cause an object to:

- A) Change shape
- B) Start moving
- C) Stop moving
- D) All of the above**

25. What is heat energy?

- A) Energy we get from light
- B) Energy from moving air
- C) Energy that makes things warm**
- D) Energy stored in batteries

Markhor Junior Contest ®