

Markhor Junior Contest ®

Elementary Level (Class V &VI) Science 2012

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

1. **Drawing meaning from experiment results is called:**
 - A) Observation
 - B) Hypothesis
 - C) Conclusion**
 - D) Question
2. **Littering plastic in oceans mainly affects:**
 - A) Birds
 - B) Fish and marine life**
 - C) Mountains
 - D) Soil only
3. **Recycling metal helps the environment because:**
 - A) It saves energy and natural resources**
 - B) It increases pollution
 - C) It destroys habitats
 - D) It produces greenhouse gases
4. **Plant cells have a rigid outer layer called:**
 - A) Cell membrane
 - B) Cytoplasm
 - C) Cell wall**
 - D) Nucleus
5. **Whale fins inspired designs in:**
 - A) Wind turbines to increase efficiency**
 - B) Solar panels
 - C) Velcro
 - D) Bridges
6. **Which part of the digestive system absorbs nutrients into the blood?**
 - A) Large intestine
 - B) Small intestine**
 - C) Esophagus
 - D) Stomach
7. **Which of the following is a result of these two systems working together?**
 - A) Proper breathing and oxygen supply**
 - B) Producing urine
 - C) Digesting food
 - D) Moving bones

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8. Sugar dissolves in water because sugar is the:
- A) Solvent
 - B) Solute**
 - C) Mixture
 - D) Filtrate
9. In evaporation, what happens to the liquid?
- A) It freezes
 - B) It turns into gas and leaves the solid behind**
 - C) It stays the same
 - D) It mixes with solids
10. A solution that cannot dissolve any more solute is called:
- A) Dilute
 - B) Concentrated
 - C) Saturated**
 - D) Unsaturated
11. Air is an example of a:
- A) Element
 - B) Compound
 - C) Mixture**
 - D) Solution only
12. Bases have a pH:
- A) Less than 7
 - B) Equal to 7
 - C) More than 7**
 - D) Exactly 0
13. Without friction, which of these would happen?
- A) Cars would slide uncontrollably on roads**
 - B) Apples would not fall from trees
 - C) Satellites would stop orbiting
 - D) Water would freeze
14. A wheelbarrow is an example of which simple machine?
- A) Lever**
 - B) Pulley
 - C) Wedge
 - D) Gear

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15. If a circuit is broken, what happens to the current?
- A) It stops flowing
 - B) It increases
 - C) It decreases slightly
 - D) Nothing changes
16. In a circuit, electric current flows from:
- A) Positive to negative terminal
 - B) Negative to positive terminal
 - C) Only through insulators
 - D) Both A and B depending on convention
17. Which of these is a permanent magnet?
- A) Bar magnet
 - B) Electromagnet with no current
 - C) Wire coil without core
 - D) Balloon
18. The apparent bending of a pencil in a glass of water is due to:
- A) Reflection
 - B) Refraction
 - C) Diffusion
 - D) Shadow formation
19. The visible spectrum contains how many main colors?
- A) 5
 - B) 6
 - C) 7
 - D) 8
20. Which part of the cell controls its activities?
- A) Cytoplasm
 - B) Nucleus
 - C) Mitochondria
 - D) Cell wall
21. What does a food chain show?
- A) How animals and plants are connected in feeding
 - B) How energy increases
 - C) How humans control nature
 - D) How rain is formed
22. Adaptations help animals survive by:
- A) Changing their environment
 - B) Helping them live better in their surroundings
 - C) Making humans taller
 - D) Producing energy

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23. If a bus stops suddenly, what happens to passengers?

- A) They continue moving forward due to inertia
- B) They move backward
- C) They float
- D) They shrink

24. Which of these is a measure of energy?

- A) Kilogram
- B) Joule**
- C) Meter
- D) Liter

25. Which organ helps remove liquid waste from the body?

- A) Heart
- B) Kidneys**
- C) Lungs
- D) Stomach