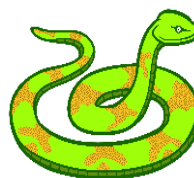


Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2011

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

1. **Why is it important to repeat an experiment?**
A) To waste time
B) To confirm results
C) To create new questions
D) To change the hypothesis
2. **Which of these is NOT a way to conserve the environment?**
A) Planting trees
B) Using energy wisely
C) Recycling waste
D) Cutting forests recklessly
3. **Which of these is NOT a way to conserve the environment?**
A) Planting trees
B) Using energy wisely
C) Recycling waste
D) Cutting forests recklessly
4. **Which part of the cell is responsible for giving the cell its shape?**
A) Nucleus
B) Cytoplasm
C) Cell membrane and cell wall
D) Mitochondria
5. **Which of these is an example of a producer in a pond ecosystem?**
A) Fish
B) Algae
C) Frog
D) Snake



6. **Biomimicry is important because it:**
A) Reduces energy use and waste
B) Increases pollution
C) Harms natural habitats
D) Is only for decoration
7. **Carbon dioxide is removed from the body by the:**
A) Circulatory system

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- B) Respiratory system
 - C) Digestive system
 - D) Excretory system
8. When you hold your breath, which system is mainly affected first?
- A) Circulatory
 - B) Respiratory
 - C) Digestive
 - D) Nervous
9. Water in sugar water is the:
- A) Solvent
 - B) Solute
 - C) Mixture
 - D) Solid
10. Which technique is used in crime labs to analyze ink?
- A) Evaporation
 - B) Filtration
 - C) Chromatography
 - D) Decanting
11. If sugar water tastes very sweet, it is:
- A) Dilute
 - B) Concentrated
 - C) Unsaturated
 - D) Evaporated
12. A compound has:
- A) Fixed composition
 - B) Variable composition
 - C) Only one type of atom
 - D) Two liquids only
13. Which indicator can show whether a solution is acidic or basic?
- A) Litmus paper
 - B) Thermometer
 - C) Ruler
 - D) Magnet
14. Simple machines make work easier by:
- A) Changing the amount or direction of force
 - B) Increasing friction only
 - C) Producing energy from nothing
 - D) Making objects heavier

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15. Which of these metals is a poor conductor?

- A) Copper
- B) Iron
- C) Aluminum
- D) Lead**

16. Static electricity can cause a small:

- A) Shock or spark**
- B) Flow of current in a bulb
- C) Heating of wire
- D) Rotation of a motor

17. Which of the following shows the direction of a magnetic field?

- A) Compass needle**
- B) Ruler
- C) Thermometer
- D) Stopwatch

18. Light travels fastest in:

- A) Vacuum**
- B) Water
- C) Glass
- D) Oil

19. Which gas do plants release during photosynthesis?

- A) Carbon dioxide**
- B) Oxygen
- C) Nitrogen
- D) Water vapour

20. Why do scientists study fossils?

- A) To learn about ancient animals and plants**
- B) To predict the weather
- C) To make energy
- D) To find food

21. Why does the Moon stay around the Earth?

- A) Because of gravity**
- B) Because of friction
- C) Because of wind
- D) Because of sunlight

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22. When a swimmer pushes water backward, what happens to the swimmer?

- A) Moves forward**
- B) Moves backward
- C) Stays in place
- D) Floats sideways

23. Which of these is used to measure energy?

- A) Joule**
- B) Meter
- C) Gram
- D) Second

24. Which color of light is seen at the end of a rainbow?

- A) Red
- B) Violet**
- C) Green
- D) Yellow

25. Which of the following is a function of the cell membrane?

- A) Controls what enters and leaves the cell**
- B) Produces energy
- C) Stores genetic material
- D) Helps the cell divide