

Markhor Junior Contest ®

Elementary Level (V & VI) Science 2017

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

1. **When a scientist notices something and asks why it happens, this is called:**
A) Experiment
B) Questioning
C) Conclusion
D) Analysis
2. **What is the horizontal line in a graph called?**
A) **X-axis**
B) Y-axis
C) Legend
D) Title
3. **Which of these is an example of water pollution?**
A) **Throwing chemicals into rivers**
B) Planting crops near rivers
C) Fishing responsibly
D) Cleaning ponds
4. **Which of these is NOT a benefit of renewable energy?**
A) Reduces pollution
B) Does not run out quickly
C) Increases greenhouse gases
D) Protects the environment
5. **The jelly-like substance inside the cell that holds organelles is called:**
A) **Cytoplasm**
B) Nucleus
C) Mitochondria
D) Cell wall
6. **Cells divide mainly so the body can:**
A) Change color
B) Grow and repair damaged tissues
C) Produce sunlight
D) Store water
7. **Which of the following is a consumer?**
A) Grass
B) Rabbit
C) Sunlight
D) Soil



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8. A tadpole turning into a frog is an example of:

- A) Life cycle
- B) Weather change
- C) Pollution
- D) Rotation

9. The shape of a kingfisher's beak inspired which invention?

- A) Submarine periscope
- B) Bullet train nose**
- C) Bicycle seat
- D) Space rocket

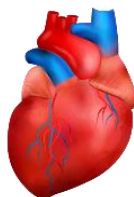


10. Which organ helps digest food by producing enzymes?

- A) Liver
- B) Stomach**
- C) Small intestine
- D) Heart

11. Which organ is the main pump in the circulatory system?

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



12. Tea with sugar is an example of:

- A) Mixture
- B) Solution**
- C) Compound
- D) Element

13. Chromatography is used to:

- A) Separate colors in a mixture**
- B) Remove sand from water
- C) Evaporate salt water
- D) Melt solids

14. Salt and sand mixed together is an example of a:

- A) Element
- B) Compound
- C) Mixture**
- D) Solution

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15. What does red litmus paper do in a basic solution?

- A) Turns blue**
- B) Stays red
- C) Turns yellow
- D) Turns green

16. Friction can be reduced by:

- A) Polishing surfaces**
- B) Using rough materials
- C) Adding sand
- D) Pushing harder

17. Which of these is an example of a force?

- A) Pushing a door to open it**
- B) A flower blooming
- C) Ice melting
- D) A cloud floating

18. Which of these is a form of energy?

- A) Kinetic energy
- B) Potential energy
- C) Heat energy
- D) All of the above**

19. Which of these is an example of a pulley?

- A) Flagpole rope system**
- B) Knife
- C) Door hinge
- D) Wheelbarrow

20. Which of these is an insulator?

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

21. Static electricity is usually produced by:

- A) Flowing water
- B) Friction between objects**
- C) Batteries
- D) Switches

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22. What happens when electric current flows through a simple circuit?

- A) The bulb lights up**
- B) The wires disappear
- C) The battery freezes
- D) The switch breaks

23. Which of these causes a shadow?

- A) Opaque objects blocking light**
- B) Transparent objects
- C) Refraction of light
- D) Reflection of light

24. Volcanoes are formed due to:

- A) Plate collisions and magma rising to the surface**
- B) Earth's rotation
- C) Sun's heat
- D) Ocean currents

25. Which part of the human eye controls the amount of light entering it?

- A) Retina
- B) Lens
- C) Iris**
- D) Cornea