

Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2014

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

1. Which of these shows the correct order of the scientific method?

- A) Hypothesis → Question → Experiment → Conclusion
- B) Question → Hypothesis → Experiment → Conclusion**
- C) Experiment → Question → Hypothesis → Conclusion
- D) Question → Experiment → Hypothesis → Conclusion

2. In a table, what does each row usually represent?

- A) A different type of data**
- B) The title
- C) The graph legend
- D) A drawing

3. Which human activity increases air pollution?

- A) Using bicycles
- B) Driving many cars and burning fossil fuels**
- C) Planting gardens
- D) Cleaning the streets

4. Wind energy is an example of:

- A) Non-renewable energy
- B) Renewable energy**
- C) Fossil fuel energy
- D) Nuclear energy

5. Which organelle contains instructions for the cell's activities?

- A) Cytoplasm
- B) Nucleus**
- C) Mitochondria
- D) Cell wall

6. In a food chain, energy always flows from:

- A) Consumer → Producer → Decomposer
- B) Producer → Consumer → Decomposer**
- C) Decomposer → Consumer → Producer
- D) Carnivore → Herbivore → Producer

7. Camouflage helps animals by:

- A) Making them look colorful
- B) Helping them hide from predators**
- C) Making them run faster
- D) Producing energy

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8. Spider silk has inspired:

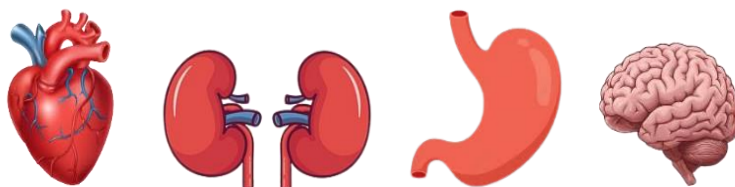
- A) **Strong lightweight materials for ropes and clothing**
- B) Car engines
- C) Solar panels
- D) Airplanes

9. The brain is a part of the:

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

10. Oxygen-rich blood travels from the lungs to the:

- A) **Heart**
- B) Kidneys
- C) Stomach
- D) Brain only



11. A mixture where substances are not evenly distributed is called:

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

12. Chromatography can be used to:

- A) **Identify different pigments in a leaf**
- B) Separate sand from water
- C) Make lemonade
- D) Filter coffee

13. How can you make a dilute solution stronger?

- A) Add more solvent
- B) **Add more solute**
- C) Remove solute
- D) Stir without adding anything

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14. Neutral substances have a pH of about:

- A) 0
- B) 7**
- C) 14
- D) 10

15. Friction is helpful because it:

- A) Allows walking without slipping**
- B) Pushes objects upward
- C) Pulls objects in a circle
- D) Reduces gravity

16. A wedge is:

- A) A device that cuts, splits, or separates objects**
- B) A wheel that turns
- C) A lever
- D) A pulley

17. Current flows from:

- A) Negative to positive terminal
- B) Positive to negative terminal
- C) Only in wires
- D) Both A and B depending on convention**

18. Which of the following carries current electricity?

- A) Copper wire**
- B) Balloon
- C) Plastic comb
- D) Rubber gloves

19. Electromagnets are used in:

- A) Cranes to lift scrap metal**
- B) Refrigerator magnets
- C) Compass needles
- D) Balloons

20. Which of these materials allows some light but not all?

- A) Transparent
- B) Translucent**
- C) Opaque
- D) Reflective

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21. Which part of the cell controls its activities?

- A) Cytoplasm
- B) Nucleus**
- C) Mitochondria
- D) Cell wall

22. Salt dissolved in water can be separated by:

- A) Filtration
- B) Evaporation**
- C) Magnetism
- D) Chromatography

23. A force can cause an object to:

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

24. Which type of energy is stored in a stretched rubber band?

- A) Kinetic energy
- B) Potential energy**
- C) Thermal energy
- D) Electrical energy

25. What happens when sunlight passes through a glass of water?

- A) It spreads into colors**
- B) It disappears
- C) It becomes stronger
- D) It bounces back