

Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2010

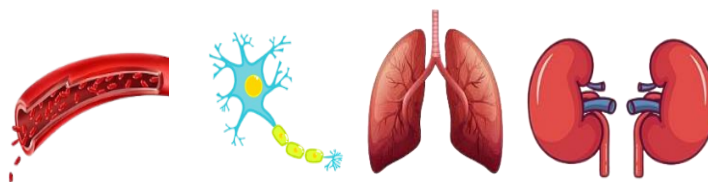
There are 25 questions, and each question carries two marks.

1. Which step involves thinking about what you already know before experimenting?
A) Hypothesis
B) Observation
C) Question
D) Conclusion
2. A line graph is especially useful when:
A) Comparing data between categories
B) Showing changes over time
C) Showing parts of a whole
D) Writing a story
3. Smog in cities is an example of:
A) Water pollution
B) Air pollution
C) Soil erosion
D) Deforestation
4. Protecting oceans and forests is important for:
A) Reducing biodiversity
B) Keeping ecosystems healthy
C) Increasing pollution
D) Cutting down trees
5. Why are producers important in an ecosystem?
A) They eat all the animals
B) They produce energy from sunlight and start the food chain
C) They break down waste
D) They hunt predators
6. Which of these animals is adapted to live in the desert?
A) Camel
B) Penguin
C) Frog in rainforest
D) Polar bear
7. The lotus leaf inspired:
A) Water-repellent coatings and self-cleaning surfaces
B) Bullet trains
C) Airplane wings
D) Submarines

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8. The heart pumps blood through:

- A) **Blood vessels**
- B) Nerves
- C) Lungs
- D) Kidneys



9. Carbon dioxide produced by cells is transported by:

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

10. Which of these is a real-life example of a solution?

- A) **Lemonade**
- B) Salad
- C) Sand in water
- D) Rice and beans

11. Tea leaves are removed from tea using:

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

12. Dilution is the process of:

- A) Adding more solute
- B) **Adding more solvent**
- C) Heating a solution
- D) Filtering the solution

13. A mixture may be:

- A) **Homogeneous or heterogeneous**
- B) Only homogeneous
- C) Only heterogeneous
- D) Only gaseous

14. Lemon juice turns blue litmus paper:

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



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15. When a ball rolls on a rough surface, it stops because of:
- A) Gravity
 - B) Friction**
 - C) Centripetal force
 - D) Air
16. Screws are considered a type of:
- A) Pulley
 - B) Wedge**
 - C) Lever
 - D) Gear
17. Why are electrical wires covered with plastic?
- A) To prevent current from escaping and protect people**
 - B) To make them look nice
 - C) To increase current flow
 - D) To store energy
18. Which of these is a conductor used in current electricity?
- A) Copper wire**
 - B) Plastic rod
 - C) Balloon
 - D) Rubber glove
19. Making a magnet stronger can be done by:
- A) Using more coils of wire and increasing current in an electromagnet**
 - B) Using fewer coils
 - C) Using plastic as a core
 - D) Turning off the current
20. When light reflects from a plane mirror, the angle of incidence is:
- A) Equal to the angle of reflection**
 - B) Double the angle of reflection
 - C) Half the angle of reflection
 - D) Zero
21. Red color has:
- A) Shortest wavelength
 - B) Longest wavelength**
 - C) Medium wavelength
 - D) Same as violet
22. Which part of the cell controls what enters and leaves it?
- A) Nucleus
 - B) Cytoplasm
 - C) Cell membrane**
 - D) Mitochondria

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23. Which part of the cell stores genetic information?

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

24. Which of these is an example of doing work?

- A) Lifting a box**
- B) Watching TV
- C) Sleeping
- D) Sitting idle

25. Why is it harder to push a heavier object than a lighter one?

- A) It weighs more**
- B) It is smaller
- C) It is colorful
- D) It is round