

Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2013

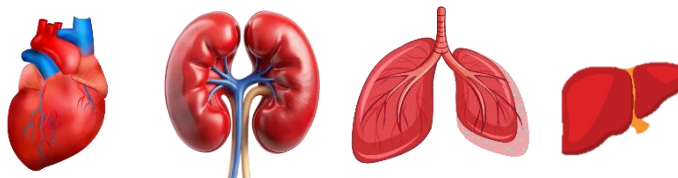
There are 25 questions, and each question carries two marks.

1. **A guess based on prior knowledge is called:**
A) Theory
B) Hypothesis
C) Conclusion
D) Observation
2. **In a bar graph, the height of each bar represents:**
A) The color of the item
B) The amount of data
C) The title of the graph
D) The type of chart
3. **Reforestation helps by:**
A) Reducing oxygen in the air
B) Preventing soil erosion and providing animal homes
C) Causing more pollution
D) Increasing factories
4. **Which action helps protect biodiversity?**
A) Hunting endangered animals
B) Planting native trees
C) Cutting forests for buildings
D) Dumping waste in rivers
5. **Solar, wind, and hydro energy are all:**
A) Non-renewable sources
B) Renewable sources
C) Fossil fuels
D) Harmful to nature
6. **Which of the following is a behavioral adaptation?**
A) Bird migrating to warmer places in winter
B) Whale's blubber
C) Cactus spines
D) Fish gills
7. **What can engineers learn from termite mounds?**
A) Natural air-conditioning designs
B) How to plant trees
C) How to make shoes
D) How to hunt animals

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8. Which organ removes liquid waste from the body?

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



9. How does the circulatory system help the respiratory system?

- A) By carrying oxygen from lungs to the body**
- B) By breaking down food
- C) By removing solid waste
- D) By producing hormones

10. Salt and pepper mixed together form a:

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

11. Which separation technique uses a funnel and filter paper?

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

12. How can you make a concentrated solution weaker?

- A) Add more solute
- B) Add more solvent**
- C) Remove solvent
- D) Heat only

13. Which of the following is a mixture?

- A) Hydrogen gas
- B) Table salt (NaCl)
- C) Trail mix (nuts and raisins)**
- D) Carbon dioxide

14. Acids have a pH:

- A) Less than 7**
- B) Equal to 7
- C) More than 7
- D) Exactly 10

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15. Which of these is a wedge?
- A) **Axe**
 - B) Seesaw
 - C) Pulley
 - D) Gear
16. Which device converts electrical energy into light?
- A) **Bulb**
 - B) Resistor
 - C) Switch
 - D) Battery
17. Lightning is an example of:
- A) **Static electricity**
 - B) Current electricity
 - C) Magnetic force
 - D) Solar energy
18. Which of these can a magnetic field affect?
- A) **Iron nails**
 - B) Paper
 - C) Plastic toys
 - D) Water
19. Which of these materials blocks light completely?
- A) **Opaque**
 - B) Translucent
 - C) Transparent
 - D) Glass
20. Which part of the cell controls most of its activities?
- A) Cytoplasm
 - B) **Nucleus**
 - C) Cell wall
 - D) Vacuole
21. Why do living things need new cells?
- A) **To grow and repair damaged parts**
 - B) To change color
 - C) To produce sunlight
 - D) To store water
22. What keeps objects on the ground?
- A) Friction
 - B) **Gravity**
 - C) Magnetism
 - D) Wind



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23. A force can cause an object to:

- A) Start moving
- B) Stop 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. Which part of the cell contains genetic material (DNA)?

- A) Cytoplasm
- B) Nucleus**
- C) Ribosome
- D) Vacuole