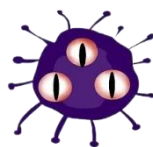


Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2008

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

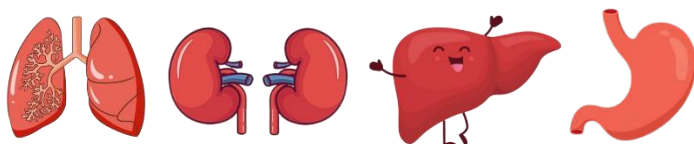
1. **Why is asking a good question important in science?**
A) **It helps design a proper experiment**
B) It avoids doing experiments
C) It provides answers automatically
D) It replaces conclusions
2. **What is a legend in a graph or chart used for?**
A) To make the chart bigger
B) **To explain what colors or symbols mean**
C) To write the title
D) To change the data
3. **How can schools help students learn about conservation?**
A) **Organize tree planting and clean-up drives**
B) Encourage littering
C) Burn waste in playgrounds
D) Cut more trees
4. **Making compost from food waste is an example of:**
A) **Recycling organic material**
B) Pollution
C) Non-renewable energy
D) Cutting down forests
5. **Which organelle is like the “brain” of the cell?**
A) Mitochondria
B) **Nucleus**
C) Ribosome
D) Vacuole



6. **Decomposers help ecosystems by:**
A) Making energy from sunlight
B) **Recycling nutrients back into the soil**
C) Eating only plants
D) Being the top predator

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7. **Natural selection works on traits that are:**
A) Random and harmful
B) Helpful or survival and reproduction
C) Always the same in all organisms
D) Only in plants
8. **Biomimicry encourages humans to:**
A) **Copy nature responsibly to solve problems**
B) Destroy ecosystems
C) Use only fossil fuels
D) Avoid studying animals
9. **Which organ filters waste from the blood to make urine?**
A) Lungs
B) Kidneys
C) Liver
D) Stomach



10. **Together, the circulatory and respiratory systems help maintain:**
A) Digestion
B) Body temperature and oxygen supply
C) Hormone production
D) Bone growth
11. **Air is a mixture of:**
A) Only oxygen
B) Only nitrogen
C) Gases
D) Only carbon dioxide
12. **Paper chromatography separates substances based on:**
A) Their size
B) Their solubility and color
C) Their weight
D) Their taste

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13. A solution with equal parts of solute and solvent is:
- A) Very dilute
 - B) Concentrated
 - C) Moderate or balanced solution**
 - D) Evaporated
14. The main difference between a mixture and a compound is:
- A) Compounds can be separated physically; mixtures cannot
 - B) Mixtures have fixed composition; compounds do not
 - C) Compounds are chemically combined; mixtures are physically combined**
 - D) Mixtures are always solids
15. Which of the following is a common use of acids in daily life?
- A) Making lemonade**
 - B) Cleaning dishes with soap
 - C) Adding to toothpaste
 - D) Making cement
16. Friction can be increased by:
- A) Using lubricants
 - B) Making surfaces rougher**
 - C) Polishing surfaces
 - D) Reducing contact
17. In a bicycle, turning the pedals moves the chain which rotates the gears. This shows:
- A) Lever in action
 - B) Pulley in action
 - C) Gears in action**
 - D) Wedge in action
18. Which of the following is a real-life example of a conductor?
- A) Copper wire in a fan**
 - B) Wooden handle of a spoon
 - C) Plastic pen
 - D) Rubber gloves
19. Which of these is true about static and current electricity?
- A) Static stays in one place; current flows in a circuit**
 - B) Static flows in a circuit; current stays in one place
 - C) Both flow in a circuit
 - D) Both stay in one place

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20. Magnetic field lines:

- A) **Go from the north pole to the south pole of a magnet**
- B) Go from south to north
- C) Are circular only
- D) Do not exist

21. Which of these can produce multiple images due to reflection?

- A) **Two mirrors placed at an angle**
- B) Transparent glass
- C) Water only
- D) Opaque wood

22. Colors of the rainbow in order are:

- A) **Red, Orange, Yellow, Green, Blue, Indigo, Violet**
- B) Violet, Indigo, Blue, Green, Yellow, Orange, Red
- C) Red, Blue, Green, Yellow, Violet, Indigo, Orange
- D) Orange, Red, Yellow, Green, Blue, Violet, Indigo

23. Which of these is a mixture?

- A) Salt and water
- B) Oxygen gas
- C) Sugar (pure)
- D) **Trail mix (nuts and raisins)**

24. Why does a ball slow down when it rolls on a rough surface?"

- A) Gravity
- B) **Friction**
- C) Centripetal force
- D) Air

25. Which of these helps you stop a sliding book on a table?"

- A) Smoother surface
- B) **Rougher surface**
- C) Lifting the table
- D) Shaking the table