

Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2018

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

1. **Which of these is NOT part of the scientific method?**
A) Experiment
B) Hypothesis
C) Opinion
D) Observation
2. **What is the vertical line in a graph called?**
A) X-axis
B) Y-axis
C) Z-axis
D) Origin
3. **What is one way humans can help conserve the environment?**
A) Use more plastic
B) Plant trees and protect wildlife
C) Cut more forests
D) Burn trash
4. **Which material can usually be recycled?**
A) Glass bottles
B) Soil
C) Sand
D) Water
5. **Where does the cell store its genetic material (DNA)?**
A) Cytoplasm
B) Nucleus
C) Mitochondria
D) Ribosome
6. **Cells divide mainly so the body can:**
A) Change color
B) Grow and repair damaged tissues
C) Produce sunlight
D) Store water
7. **What is the role of decomposers in an ecosystem?**
A) They make food
B) They eat only plants
C) They break down dead plants and animals into nutrients
D) They hunt other animals

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8. **Fossils are:**
A) Living animals
B) Remains or traces of organisms from the past
C) Rocks formed yesterday
D) A type of food
9. **Which of these is an example of biomimicry?**
A) Solar panels inspired by leaves
B) Plastic bags
C) Electric poles
D) Cement roads
10. **The kidneys are part of which system?**
A) Digestive
B) Respiratory
C) Excretory
D) Circulatory
11. **Blood carries carbon dioxide from the body to the lungs for:**
A) Storage
B) Excretion
C) Breathing out
D) Digestion
12. **Which of these can be separated by filtration?**
A) Salt water
B) Sugar water
C) Sand and water
D) Vinegar
13. **Salt dissolved in water can be recovered by:**
A) Filtration
B) Evaporation
C) Chromatography
D) Decanting
14. **Adding more solute to a solution makes it:**
A) More dilute
B) More concentrated
C) Unchanged
D) Evaporate
15. **Oxygen (O₂) is an example of a:**
A) Mixture
B) Element
C) Compound
D) Solution

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16. What does blue litmus paper do in an acidic solution?
- A) Turns red
 - B) Stays blue
 - C) Turns green
 - D) Turns yellow
17. Which of these is an effect of friction?
- A) Slowing down a sliding book
 - B) Making a ball float in air
 - C) Pulling objects downward
 - D) Moving planets in space
18. Which of these is an example of a force?
- A) Gravity pulling an apple from a tree
 - B) A plant growing taller by itself
 - C) A glass breaking by itself
 - D) Heat from the sun
19. What is energy?
- A) The ability to do work
 - B) A type of mass
 - C) A type of force
 - D) The distance moved by an object
20. A pulley is used to:
- A) Lift or move heavy objects
 - B) Cut objects
 - C) Increase friction
 - D) Rotate gears
21. A material that does NOT allow electricity to pass through it is called:
- A) Conductor
 - B) Insulator
 - C) Battery
 - D) Magnet
22. Which of these is an example of current electricity?
- A) A light bulb glowing in a circuit
 - B) A balloon sticking to your hair
 - C) Clothes sticking together after drying
 - D) Lightning on a cloudless day

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23. Opposite poles of a magnet:

- A) Attract each other**
- B) Repel each other
- C) Stay neutral
- D) Lose magnetism

24. When light passes from air into water, it:

- A) Bends towards the normal**
- B) Travels straight
- C) Bends away from the normal
- D) Disappears

25. Which organ in the human body stores and releases bile to help digest fats?

- A) Stomach
- B) Liver
- C) Gallbladder**
- D) Pancreas