

Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2019

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

1. **What do scientists write after analyzing the results of an experiment?**
A) Question
B) Hypothesis
C) Conclusion
D) Data
2. **Which type of chart is best for showing parts of a whole?**
A) Table
B) Line graph
C) Pie chart
D) Histogram
3. **Which of these is a harmful effect of deforestation?**
A) More oxygen in the air
B) Soil erosion and loss of habitat
C) Cleaner rivers
D) Healthier animals
4. **Using solar panels to produce electricity is an example of:**
A) Non-renewable energy
B) Renewable energy
C) Deforestation
D) Recycling
5. **Which part of the cell surrounds and protects it?**
A) Cytoplasm
B) Cell membrane
C) Nucleus
D) Mitochondria
6. **Animals that eat other animals are called:**
A) Herbivores
B) Carnivores
C) Producers
D) Decomposers
7. **Biomimicry helps humans by:**
A) Creating designs that are efficient and sustainable
B) Increasing pollution
C) Cutting down forests
D) Harming animals

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8. Which system controls the body and sends messages to organs?
- A) **Nervous system**
 - B) Digestive system
 - C) Circulatory system
 - D) Excretory system
9. Carbon dioxide is removed from the body by which system?
- A) Circulatory system
 - B) **Respiratory system**
 - C) Digestive system
 - D) Nervous system
10. Sand mixed with sugar is an example of:
- A) Solution
 - B) **Mixture**
 - C) Compound
 - D) Gas
11. Which technique is used to separate a soluble solid from a liquid?
- A) **Evaporation**
 - B) Filtration
 - C) Chromatography
 - D) Magnetism
12. What happens when you add more solvent to a concentrated solution?
- A) The solution becomes more concentrated
 - B) **The solution becomes dilute**
 - C) The solution disappears
 - D) The solute becomes solid
13. A saturated solution:
- A) Can dissolve more solute
 - B) **Cannot dissolve more solute at that temperature**
 - C) Has no solute
 - D) Is always dilute
14. Water (H₂O) is an example of a:
- A) Mixture
 - B) **Compound**
 - C) Element
 - D) Solution only

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15. Bases usually taste:

- A) **Bitter**
- B) Sweet
- C) Sour
- D) Salty

16. Which is an example of a lever?

- A) **Seesaw**
- B) Screw
- C) Ramp
- D) Pulley

17. Which of these is a good conductor of electricity?

- A) **Copper wire**
- B) Rubber
- C) Plastic
- D) Wood

18. When a balloon sticks to a wall after rubbing, it is because of:

- A) Gravity
- B) **Static electricity**
- C) Current electricity
- D) Friction only

19. Like poles of a magnet:

- A) Attract each other
- B) **Repel each other**
- C) Do not interact
- D) Turn into opposite poles

20. Refraction is:

- A) Bouncing of light
- B) **Bending of light as it passes from one medium to another**
- C) Formation of shadows
- D) Absorption of light

21. Which of the following best explains why plants need sunlight?

- A) To grow roots only
- B) **To produce food through photosynthesis**
- C) To absorb water faster
- D) To protect themselves from insects

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22. Which force makes objects fall toward the ground?

- A) Magnetic force
- B) Friction
- C) **Gravity**
- D) Electric force

23. Which gas is most important for human breathing?

- A) Carbon dioxide
- B) Nitrogen
- C) **Oxygen**
- D) Hydrogen

24. Which process turns liquid water into water vapor?

- A) Freezing
- B) Melting
- C) **Evaporation**
- D) Condensation

25. What happens when light hits a shiny smooth surface like a mirror?

- A) It bends
- B) It gets absorbed
- C) It scatters in all directions
- D) **It reflects in a single direction**