

Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2021

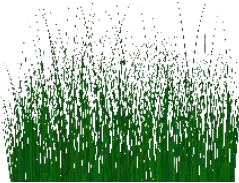
There are 25 questions, and each question carries two marks.

1. A statement that predicts what will happen in an experiment is called a:
A) Conclusion
B) Hypothesis
C) Observation
D) Question
2. Which of these is used to show trends over time?
A) Pie chart
B) Line graph
C) Bar graph
D) Table
3. Which of the following is an example of air pollution?
A) Smoke from factories
B) Litter on the ground
C) Cutting trees
D) Planting flowers
4. Which of the following is a renewable energy source?
A) Coal
B) Sunlight
C) Oil
D) Natural gas
5. The control center of the cell is called:
A) Mitochondria
B) Nucleus
C) Cytoplasm
D) Cell membrane
6. How many new cells are produced at the end of mitosis?
A) One
B) Two
C) Three
D) Four

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7. Which of these is a producer?

- A) Lion
- B) Grass**
- C) Frog
- D) Mushroom



8. Velcro was inspired by:

- A) Frog's sticky tongue
- B) Burrs sticking to animal fur**
- C) Bird feathers
- D) Snake skin

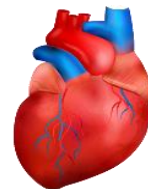
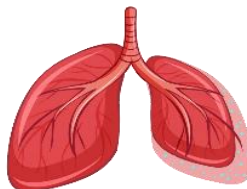
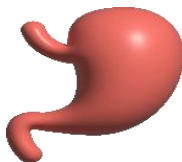


9. The main function of the respiratory system is to:

- A) Pump blood
- B) Help us breathe and exchange gases**
- C) Digest food
- D) Remove waste from the body

10. Oxygen enters the blood through the:

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



11. What is a solution?

- A) A mixture where one substance dissolves in another**
- B) A solid metal
- C) A mixture that cannot be separated
- D) A type of gas

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12. Which separation technique is used to separate an insoluble solid from a liquid?
- A) Evaporation
 - B) Filtration**
 - C) Chromatography
 - D) Distillation
13. A solution with a lot of solute dissolved is called:
- A) Dilute solution
 - B) Concentrated solution**
 - C) Saturated solution
 - D) Unsaturated solution
14. What is a compound?
- A) Two or more elements chemically combined**
 - B) A single atom
 - C) A mixture of liquids
 - D) A type of gas
15. Which of these is a base (alkali)?
- A) Vinegar
 - B) Soap solution**
 - C) Lemon juice
 - D) Orange juice
16. Which of the following increases friction?
- A) Smooth surfaces
 - B) Rough surfaces**
 - C) Lubricants
 - D) Ice
17. Work is done only when:
- A) An object moves in the direction of the force**
 - B) An object stays at rest
 - C) Force is applied but the object does not move
 - D) Energy is wasted
18. A lever is:
- A) A rigid bar that rotates around a fixed point to lift or move objects**
 - B) A wheel with teeth
 - C) A rope over a pulley
 - D) A sharp tool for cutting

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19. Which of these is needed for a complete circuit?

- A) Power source, conducting wires, load**
- B) Magnet only
- C) Insulator only
- D) Switch only

20. What is current electricity?

- A) Electric charge that stays in one place
- B) Flow of electric charge through a conductor**
- C) Electricity stored in a balloon
- D) Friction between two objects

21. Which part of a magnet is strongest?

- A) Middle
- B) Pole (ends)**
- C) Anywhere on the surface
- D) Center

22. A smooth and shiny surface like a mirror produces:

- A) Diffused reflection
- B) Regular reflection**
- C) Refraction
- D) Shadow

23. Which device can split white light into its colors?

- A) Mirror
- B) Prism**
- C) Lens
- D) Filter

24. Which of these animals is a herbivore?

- A) Lion
- B) Deer**
- C) Tiger
- D) Crocodile

25. Why does a ball stop rolling after a while on the ground?

- A) Because of air pressure only
- B) Because of friction between the ball and the ground**
- C) Because of sunlight
- D) Because of weight only