

# Markhor Junior Contest ®

Elementary Level (Class V & VI) Science 2016

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

1. **If a hypothesis is proven wrong after testing, what should a scientist do?**  
A) Ignore it  
**B) Try a new hypothesis**  
C) Change the results  
D) Stop science
2. **Which of the following is NOT a way to present data?**  
A) Graph  
B) Table  
C) Chart  
**D) Poem**
3. **Noise pollution is caused by:**  
**A) Loud traffic and factories**  
B) Planting trees  
C) Recycling  
D) Clean energy
4. **Why is biodiversity important?**  
A) It makes the Earth look colorful  
**B) It helps ecosystems stay balanced and healthy**  
C) It reduces air pollution  
D) It increases waste
5. **Which part of the cell controls most activities of the cell?**  
A) Cell wall  
**B) Nucleus**  
C) Vacuole  
D) Ribosome
6. **A food web is different from a food chain because it:**  
A) Shows only one path of energy  
**B) Shows many interconnected food chains**  
C) Includes only plants  
D) Does not include animals
7. **What does a fossil tell scientists?**  
A) What the weather was like  
**B) How ancient organisms looked and lived**  
C) How to make energy  
D) How to grow plants

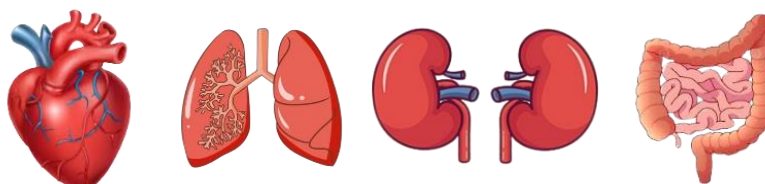
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8. Shark skin inspired which design in human products?

- A) Swimsuits to reduce water resistance
- B) Airplane wings
- C) Car tires
- D) Solar panels

9. Oxygen from the air enters the blood through the:

- A) Heart
- B) Lungs
- C) Kidneys
- D) Small intestine



10. How do the respiratory and circulatory systems help muscles during exercise?

- A) By supplying oxygen and removing carbon dioxide
- B) By producing energy directly
- C) By breaking down food
- D) By storing water

11. Oil and water together form a:

- A) Solution
- B) Mixture
- C) Compound
- D) Gas

12. Which of these is a real-life example of filtration?

- A) Coffee brewing with a filter
- B) Boiling salt water
- C) Rainbow colors on paper
- D) Mixing sugar in water

13. Which of these is a real-life example of a dilute solution?

- A) Weak lemonade
- B) Salt water from the ocean
- C) Syrup
- D) Paste

14. Which of these can be separated by physical methods?

- A) Elements
- B) Compounds
- C) Mixtures
- D) Atoms

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15. Which of these is NOT an acid?

- A) Lemon juice
- B) Vinegar
- C) Baking soda**
- D) Tamarind juice



16. Which of these objects is affected by gravity?

- A) A falling apple**
- B) A flying balloon in space
- C) A spinning wheel in zero gravity
- D) None of the above

17. What is a force?

- A) A push or a pull**
- B) A type of gas
- C) A type of magnet
- D) A kind of energy

18. What is energy?

- A) The ability to do work**
- B) A type of metal
- C) A type of sound
- D) The speed of an object

19. Gears are used to:

- A) Transmit motion and change speed or direction of force**
- B) Lift objects like a pulley
- C) Cut materials
- D) Make friction stronger

20. What is the purpose of a switch in a circuit?

- A) To open or close the circuit**
- B) To increase current
- C) To create electricity
- D) To store energy

21. Current electricity requires:

- A) A complete circuit**
- B) Friction
- C) Rubbing objects together
- D) Only insulators

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22. Which material is usually used as the core in an electromagnet?

- A) **Iron**
- B) Plastic
- C) Rubber
- D) Wood

23. A shadow is:

- A) A colored image
- B) **A dark area formed when light is blocked**
- C) Light passing through a prism
- D) Light reflected from a mirror

24. What happens when white light passes through a prism?

- A) It forms a shadow
- B) **It spreads into different colors**
- C) It disappears
- D) It becomes brighter

25. Which natural process helps remove salt from seawater to form fresh rainwater?

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