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## CBSE Sample Paper Class 6 Science 2023-24

Subject: Science Class: 6 Maximum Marks: 80 Duration: 2 hours

### Section A: Multiple Choice Questions (1 mark each)

1. Which of the following is a non-living thing? a) Plant b) Insect c) Rock d) Bird
2. Which of the following is a natural source of water? a) Tap b) Well c) Water tank d) Water bottle
3. Which of the following is a herbivore? a) Lion b) Snake c) Deer d) Eagle
4. Which gas is most abundant in the Earth's atmosphere? a) Nitrogen b) Oxygen c) Carbon dioxide d) Hydrogen
5. Which of the following is a source of renewable energy? a) Coal b) Natural gas c) Solar power d) Petroleum

### Section B: Short Answer Questions (2 marks each)

6. Name two examples of flowering plants.
7. State the unit of measurement for temperature.
8. What is the function of the heart in our body?
9. Give an example of a transparent object.
10. What happens when a solid is dissolved in a liquid?

### Section C: Long Answer Questions (3 marks each)

11. Explain the process of photosynthesis in plants.
12. Describe the different states of matter and give one example of each.
13. Why do we need to conserve water? List three ways to conserve water.
14. Differentiate between natural and artificial magnets.
15. Explain the water cycle with the help of a diagram.

### Section D: Application-Based Questions (5 marks each)

16. A student wants to measure the length of a small pencil using a ruler. Which unit of measurement should the student use? Explain why.
17. Draw a well-labeled diagram of the human digestive system and briefly explain the functions of each organ.



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18. A bicycle tire has air in it. How does the air pressure inside the tire affect the movement of the bicycle?
19. An electric bulb connected to a battery does not light up. List three possible reasons for this and explain how you can troubleshoot the problem.
20. A farmer is growing crops in his field. What are the advantages of using organic farming methods over chemical fertilizers and pesticides?

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