

TEST-2

ICSE CLASS 6 – FUNDAMENTALS OF CHEMISTRY

Marks: 40 M
Time: 1 hr 30 min

Section A: Short Answer Questions (5 × 2 = 10 Marks)

1. Define chemistry. Name any two branches of chemistry.
 2. What is meant by the term "property of matter"? Give one example.
 3. Give two examples each of physical and chemical changes.
 4. What is a mixture? State two ways to separate components of a mixture.
 5. Write two differences between solids and gases.
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Section B: Long Answer Questions (4 × 5 = 20 Marks)

6. State the main characteristics of matter. Explain how these are shown in solids, liquids, and gases.
7. Compare and contrast atoms, molecules, and compounds using a table with at least two points each.
8. Describe the differences between elements, compounds, and mixtures. Mention at least one method to separate each.
9. Explain the importance of separating mixtures. Mention three methods of separation and the principle behind each.

Section C: Application-Based Questions ($2 \times 5 = 10$ Marks)

10. Tina observed that sugar disappears completely when stirred in water.
- What kind of change is this?
 - Is it a mixture or a compound?
 - Which method can be used to get back sugar?
 - Is this change reversible or irreversible?
 - What does this show about solubility in matter?
11. During a science activity, Rahul burned a piece of magnesium ribbon in air.
- What kind of change occurred?
 - Was a new substance formed?
 - Write the word equation for the reaction.
 - Why is it considered a chemical change?
 - What precaution should be taken while performing this experiment?