

Introduction to Chemistry

Chapter 7: Introduction to Chemistry · Topic 1

Key Concept

Chemistry studies elements (basic substances), compounds (combinations of elements), and mixtures (combinations without chemical bonding).

Chemists study physical properties (like colour, texture) and chemical properties (how a substance reacts with others).

Chemistry helps us understand everyday processes, like cooking, cleaning, and even how our bodies digest food.

A laboratory is where chemists safely conduct experiments to observe and understand chemical reactions and properties.

Quick Revision Notes

- Chemistry studies matter and its changes.
- Elements are basic substances.
- Compounds combine elements.
- Mixtures combine substances without bonding.
- Physical properties include colour and texture.
- Chemical properties show how substances react.
- Chemistry explains cooking and digestion.
- Laboratories are used for safe experiments.

Practice Questions

- 1 Discuss an example of a physical property.
- 2 Discuss an example of a chemical property.
- 3 Name an element you know.
- 4 Name a compound you know, like water.
- 5 Discuss why a laboratory is used for experiments.
- 6 Explain how chemistry relates to cooking.