

Chemistry

Recommended Time Table

Class-8

Chapter Names	Concepts
1. States of Matter (6 hours)	<ul style="list-style-type: none"> • Kinetic molecular theory of matter • properties of solids (1 hour) • liquids and gases (1 hour) • Interconversion of states of matter (3 hours) • Exercises (1 hour) • Doubts Clarification
2. Symbols, Formulae & Equations (6 hours)	<ul style="list-style-type: none"> • Symbols • Formulae of Elements etc. (1 hour) • Chemical formulae • Valency • Crisscross method • Chemical equations (1 hour) • Exercises (3 hours) • Doubts Clarification (1 hour)
3. Transformation of Substances (5 hours)	<ul style="list-style-type: none"> • Physical and chemical changes • Types of chemical changes (1 hour) • Types of reactions • Exothermic & Endothermic reactions (1 hour) • Exercises (2 hours) • Doubts Clarification (1 hour)
4. Atomic Structure (6 hours)	<ul style="list-style-type: none"> • Dalton's atomic theory • Discovery of fundamental particles (1 hour) • Atomic models etc. (2 hours) • Exercises (2 hours) • Doubts Clarification (1 hour)
5. Water (5 hours)	<ul style="list-style-type: none"> • Occurrence • Classification of water • Physical constants of water (1 hour) • Properties of water • Hardness of water (1 hour) • Water pollution • Uses • Tests of water (1 hour) • Exercises (1 hour) • Doubts Clarification (1 hour)
6. Hydrogen & Oxygen (6 hours)	<ul style="list-style-type: none"> • Occurrence • Preparation of Hydrogen and Oxygen - General and Lab. Methods (2 hours) • Properties and uses (2 hours) • Exercises (1 hour) • Doubts Clarification (1 hour)
7. Carbon and Its Compounds (6 hours)	<ul style="list-style-type: none"> • Unique properties of carbon • Allotropes of Carbon (2 hours) • Oxides of carbon • preparation of CO, CO₂ • Properties and uses (2 hours) • Exercises (1 hour) • Doubts Clarification (1 hour)
8. Metals and Non-Metals (6 hours)	<ul style="list-style-type: none"> • Metals-Occurrence • Properties • Uses • Alloys (2 hours) • Non-metals - Occurrence • Properties • Uses • Metalloids (2 hours) • Exercises (1 hour) • Doubts Clarification (1 hour)
9. Synthetic Fibres and Plastics (4 hours)	<ul style="list-style-type: none"> • Types of synthetic fibres, Characteristics of Synthetic fibres (1 hour) • Plastics, Types, Advantages, Effect on Environment (1 hour) • Exercises (1 hour) • Doubts Clarification (1 hour)

Term - 1 (MCQ's: 50)

Chemistry: Chapters. 1 to 5

Term - 2 (MCQ's: 50)

Chemistry: Chapters. 1 to 8

Term - 3 (MCQ's: 50)

Chemistry: Chapters. 1 to 9

Chapter	Concept	Problems	Total No.of hours
1. States of Matter	2	4	6
2. Symbols, Formulae & Equation	2	4	6
3. Transformation of Substances	2	3	5
4. Atomic Structure	3	3	6
5. Water	3	2	5
6. Hydrogen & Oxygen	4	2	6
7. Carbon and its Compounds	4	2	6
8. Metals & Non-metals	4	2	6
9. Synthetic fibres and plastics	2	2	4