

NEB Class 11 Chemistry || All Chapters Notes (2082/2083)

General and Physical Chemistry

1. Foundation and Fundamentals

2. Stoichiometry

3. Atomic Structure

4. Periodic Table

5. Chemical Bonding and Shape of Molecules

6. Oxidation and Reduction

7. State of Matter

8. Chemical Equilibrium

Inorganic Chemistry

9. Chemistry of Non Metals

10. Chemistry of Metals

11. Bio-Inorganic Chemistry

12. Basic Concept of Organic Chemistry

13. Fundamental Principle of Organic Chemistry

14. Hydrocarbons

15. Aromatic Chemistry

16. Fundamentals of Applied Chemistry

17. Modern Chemical Manufactures

About Our NEB Class 11 Chemistry (2082/2083):

The foundation of chemistry, including its importance, scope, and basic concepts like atoms, molecules, and formulas, is introduced in **Unit 1**. Stoichiometry in **Unit 2** covers Dalton's atomic theory, Avogadro's law, mole concept, limiting reactants, yields, and calculations involving empirical and molecular formulas. **Unit 3** delves into atomic structure, discussing Rutherford's and Bohr's models, quantum mechanics, and principles like Heisenberg's Uncertainty Principle and Hund's rule. **Unit 4** examines the periodic table, element classification, and periodic trends, while **Unit 5** explores chemical bonding, including ionic, covalent, and metallic bonds, VSEPR theory, and molecular shapes.

Further, **Unit 6** discusses oxidation-reduction concepts and electrolysis, and **Unit 7** addresses the states of matter, including gas laws, liquid properties, and types of solids. Chemical equilibrium is covered in **Unit 8**, while **Units 9 and 10** focus on inorganic chemistry, detailing the properties and reactions of non-metals and metals, including hydrogen, oxygen, nitrogen, halogens, and sulfur. Organic chemistry in **Units 12 to 15** covers basic concepts, hydrocarbons, and aromatic compounds. Applied chemistry in **Units 16 and 17** introduces chemical manufacturing processes, highlighting the production of ammonia, nitric acid, sulfuric acid, sodium hydroxide, and sodium carbonate, emphasizing modern techniques and environmental considerations.

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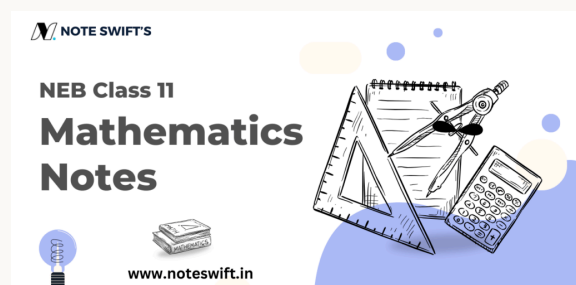
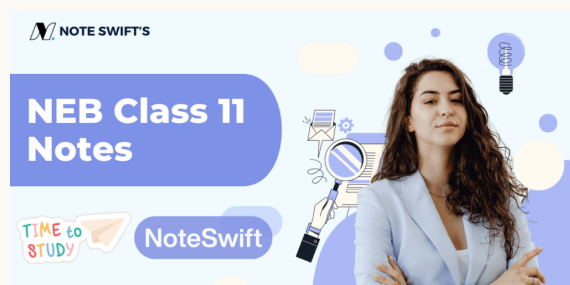
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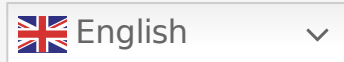
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