

Class 11 Chemistry Deleted Syllabus

Term- 1

Some Basic Concepts of Chemistry

Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules.

Structure of Atom

Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations.

Classification of Elements and Periodicity in Properties

Significance of classification, brief history of the development of periodic table

Chemical Bonding and Molecular Structure

No Deletion

Redox Reactions

applications of redox reactions.

Hydrogen

preparation, properties and uses of, hydrogen peroxide -preparation, reactions and structure and use.

Organic Chemistry -Some Basic Principles and Techniques

methods of purification, qualitative and quantitative analysis

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Term- 2

States of Matter: Gases and Liquids

liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea), Liquid State- vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations)

Chemical Thermodynamics

heat capacity and specific heat, criteria for equilibrium.

Equilibrium

hydrolysis of salts (elementary idea), Henderson Equation.

s-Block Elements (Alkali and Alkaline Earth Metals)

Preparation and Properties of Some Important Compounds:

Sodium Carbonate, Sodium Chloride, Sodium Hydroxide and Sodium Hydrogen carbonate, Biological importance of Sodium and Potassium.

Calcium Oxide and Calcium Carbonate and their industrial uses, biological importance of Magnesium and Calcium.

Some p-Block Elements

General Introduction to p -Block Elements

Group 13 Elements: some important compounds: Borax, Boric acid, Boron Hydrides, Aluminium: Reactions with acids and alkalis, uses.

Group 14 Elements: uses of some important compounds: oxides. Important compounds of Silicon and a few uses: Silicon Tetrachloride, Silicones, Silicates and Zeolites, their uses.

Hydrocarbons

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Environmental Chemistry

Entire Chapter