

VASHIST PUBLIC SCHOOL

Affiliated to C.B.S.E., Delhi, Vide Affiliation No. 630119

CBSE Class 12

Important topics of Chemistry to be revised before the exams:

- **Chapter: Chemical Kinetics (IMPORTANT)**

Rate of a reaction (Average and instantaneous)

Factors affecting rate of reaction: concentration, temperature, catalyst Conceptual questions are expected, Order and molecularity of a reaction (Very important)

Rate law and specific rate constant (Very important)

Integrated rate equations and half-life (only for zero and first-order reactions)

Concept of collision theory (elementary idea, no mathematical treatment)

The activation energy (Very important, effect of temperature), Arrhenius equation (Very important)

- **Chapter: Haloalkanes and Haloarenes (IMPORTANT)**

Haloalkanes: nature of C–X bond, physical and chemical properties, optical rotation, mechanism of substitution reactions.

Haloarenes: Nature of C–X bond, substitution reactions

- **Chapter: Biomolecules (IMPORTANT)**

Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen) - Structures and linkage.

Proteins - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins.

Vitamins - Classification and functions. Nucleic Acids: DNA and RNA – Structural differences

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