# BIHAR BOARD CLASS 12 SYLLABUS 2027

CHEMISTRY | Academic Session 2026–27

## Subject-wise topics and chapter outline

This PDF is a topic-wise study guide prepared from publicly available 2026–27 BSEB syllabus summaries and standard subject outlines. It is not represented as an official BSEB-issued syllabus PDF. Confirm the final chapter list, deleted portions, practical work and prescribed textbook with the latest BSEB subject document before relying on it for examination preparation.

| UNIT / CHAPTER | KEY TOPICS |
|---|---|
| The Solid State | Crystal lattices, unit cells, packing, voids, defects and electrical/magnetic properties. |
| Solutions | Concentration terms, solubility, Raoult's law, colligative properties and abnormal molar mass. |
| Electrochemistry | Electrochemical cells, electrode potential, Nernst equation, conductivity and electrolysis. |
| Chemical Kinetics | Rate of reaction, rate law, order, molecularity, integrated rate equations and activation energy. |
| Surface Chemistry | Adsorption, catalysis, colloids and emulsions. |
| General Principles and Processes of Isolation of Elements | Concentration, extraction, refining and principles of metallurgy. |
| The p-Block Elements | Selected groups, trends, important compounds and their properties. |
| The d- and f-Block Elements | Transition elements, oxidation states, colour, magnetic properties, lanthanoids and actinoids. |
| Coordination Compounds | Ligands, coordination number, nomenclature, isomerism, bonding and applications. |
| Haloalkanes and Haloarenes | Nomenclature, C–X bond, preparation, properties and substitution reactions. |
| Alcohols, Phenols and Ethers | Structure, preparation, physical and chemical properties and uses. |
| Aldehydes, Ketones and Carboxylic Acids | Carbonyl group, nomenclature, preparation, reactions and uses. |
| Amines | Classification, structure, preparation, basicity and reactions. |
| Biomolecules | Carbohydrates, proteins, enzymes, vitamins and nucleic acids. |
| Polymers | Types of polymers, polymerisation and common natural and synthetic polymers. |
| Chemistry in Everyday Life | Chemicals in medicines, food additives, cleansing agents and consumer products. |

## Official verification

Bihar School Examination Board: https://biharboardonline.com/ and Senior Secondary portal: https://seniorsecondary.biharboardonline.com/. Look for the Class XI–XII / Intermediate syllabus for session 2026–27.

Prepared for student reference. Subject combinations and optional subjects vary by school and registration.