FBISE CLASS 9 CHEMISTRY ANNUAL 2026

Studybeesofficial

Chapter 1: Introduction to Chemistry

- 1. Branches of Chemistry

Chapter 2: Chemical Composition

- 2. Elements, Compounds and Mixtures
- 3. Types of Solutions [Important for Short + Long]
- 4. Definition of Solubility [Important for Short]
- 5. Difference between Solution, Colloid and Suspension [Most Important - Long]

Chapter 3: Atomic Structure

- 6. Rutherford Atomic Model
- 7. Bohr Atomic Model [Most Important - Long]
- 8. Isotopes and their uses [Important for Short]

Chapter 4: Periodic Table

- 9. Identification of Group and Period Number [Important for Short]
- 10. Shielding Effect
- 11. Ionization Energy [Most Important - Long]
- 12. Properties of Alkali Metals
- 13. Transition Elements
- 14. Halogen Displacement Reaction [Important for Short]

Chapter 5: Chemical Bonding

- 15. Formation of Anion and Cation
- 16. Ionic Bond Formation [Most Important - Long]
- 17. Covalent Bond Formation [Most Important - Long]
- 18. Formation of H3O+, NH4+, NH3BF3
- 19. Properties of Diamond and Graphite [Important for Short]

Chapter 6: Chemical Calculations

- 20. Empirical and Molecular Formula [Most Important - Confirmed]
- 21. Mole and Molar Mass Calculations [Most Important - Long]

Chapter 7: Oxidation & Reduction

- 22. Identification of Oxidizing and Reducing Agent [Important for Short]
- 23. Oxidation State [Most Important - Long]
- 24. Rusting [Important for Short]

Chapter 8: Chemical Energetics

- 25. Difference between System and Surroundings
- 26. Difference between Exothermic and Endothermic Reactions [Important for Short]
- 27. Enthalpy Calculation
- 28. Catalyst and Activation Energy [Important for Short]

Chapter 9: Chemical Equilibrium

- 29. Effect of Heat on Chemical Equilibrium [Most Important - Long]
- 30. Conditions for Equilibrium
- 31. Chemical Equilibrium [Most Important - Long]
- 32. Forward and Reverse Reaction

Chapter 10: Acids, Bases & Salts

- 33. Bronsted Acid and Base [Important for Short]
- 34. Properties of Acids [Most Important - Long]
- 35. What are Alkalis

Chapter 11: Environmental Chemistry

- 36. Sources and Effects of SOx, NOx, CO, CO2 and Methane [100% Expected]
- 37. Global Warming [Important for Short]
- 38. Acid Rain [Important for Short]

Chapter 12: Water & Fertilizers

- 39. Treatment of Domestic Water Supply
- 40. Waterborne Diseases [Important for Short]
- 41. NPK Fertilizers [Important for Short]

Chapter 13: Organic Chemistry

- 42. Molecular, Condensed and Structural Formulas [Important for Short]
- 43. Identification of Functional Groups [Important for Short + Long]
- 44. Open Chain and Closed Chain Compounds

Chapter 14: Hydrocarbons

- 45. Preparation and Reactions of Alkanes [Most Important - Long]

Chapter 15: Biomolecules

- 46. Study Table 15.7 [Important for Short]

7 Expected Long Questions

1. Rutherford & Bohr Models
2. Ionic Bond & Covalent Bond Formation
3. Difference b/w Solution, Colloid & Suspension
4. Empirical Formula Numerical
5. Oxidation State and Redox
6. Chemical Equilibrium and Factors
7. Air Pollution - SOx, NOx, CO, CO2 & CH4 [100% Expected]

Exam Tips

1. Numericals: Chapter 6 se 1 numerical 100% aayega, formula yaad rakho.
2. Table Trick: Difference wale sawal table me likho.
3. Diagram: Bohr Model, Ionic Bond ka diagram lazmi banao.
4. Time Management: Pehle short, phir long, last me numerical karo.
5. Presentation: Har answer heading me likho, equation balance karna mat bhoolna.