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Class 12 Chemistry

Important Numericals & Formulas

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Solutions & Electrochemistry

- Molarity = moles of solute / litres of solution.
- Colligative properties and molar mass determination.
- Nernst equation for electrode potential.
- Faraday's laws of electrolysis.

Chemical Kinetics

- Rate = change in concentration / time.
- First-order half-life: $t = 0.693/k$.
- Arrhenius equation relates rate to temperature.
- Order and molecularity of reactions.

Solid State & Others

- Packing efficiency and density of unit cells.
- Number of atoms per unit cell (scc, bcc, fcc).
- Practise mole-concept based problems.
- Always check units and significant figures.

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