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Class 10 Science

Important Numericals & Formulas

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Physics Numericals

- Electricity: $V = IR$; $P = VI$; energy = $P \times t$.
- Resistance in series and parallel combinations.
- Light: mirror formula $1/v + 1/u = 1/f$; magnification $m = -v/u$.
- Lens formula and power of a lens $P = 1/f$ (in metres).

Chemistry

- Balancing chemical equations correctly.
- Writing formulae from valency.
- pH scale and neutralisation reactions.
- Reactivity series and displacement reactions.

Biology Essentials

- Life processes: nutrition, respiration, transport, excretion.
- Labelled diagrams of the neuron, nephron and heart.
- Reflex arc and the human digestive system.
- Genetics basics: dominant and recessive traits.

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