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General Science

Master General Science for State SSC Exams!

DEFINITION

General Science covers basic scientific concepts across various fields like biology, chemistry, and physics. It's essential for understanding everyday phenomena and solving exam questions.

KEY CONCEPTS

Scientific Method

A systematic approach to inquiry that includes observation, hypothesis, experimentation, and conclusion.

Human Anatomy

Study of the structure and function of the human body, including organs and systems.

Chemical Reactions

Processes where substances transform into new substances, characterized by changes in energy and mass.

Basic Physics

Fundamental principles governing matter and energy, including motion, force, and energy conservation.

Environmental Science

Study of the interactions between living organisms and their environment, focusing on sustainability.

EXAMPLES

→ Photosynthesis converts sunlight into energy for plants.

→ Newton's laws explain how objects move and interact.

→ Acids and bases react to form salts and water.

MEMORY TIPS

★ Use the acronym 'CHEN' for Chemistry, Human anatomy, Environmental science, and Newton's laws.

★ Visualize a tree for the scientific method: roots (observation), trunk (hypothesis), branches (experimentation).

★ Create a rhyme for the periodic table: 'Hydrogen, Helium, Lithium, Beryllium, Boron, Carbon...'

COMMON MISTAKES

✗ Confusing elements with compounds in chemistry.

✗ Overlooking the importance of units in physics problems.

✗ Neglecting to review basic biology terms and definitions.

QUICK RECAP

General Science is crucial for state SSC exams, covering essential concepts from various scientific disciplines. Focus on key topics like the scientific method, human anatomy, and chemical reactions to excel.