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Academic Education GSEB › Class 6 › Science

The Wonderful World of Science

Explore the Fascinating World of Science!

DEFINITION

> Science is the study of the natural world through observation and experimentation. It helps us understand how things work around us.

KEY CONCEPTS

Scientific Method

A step-by-step process used to conduct experiments and make discoveries.

Matter

Anything that has mass and takes up space, including solids, liquids, and gases.

Energy

The ability to do work or cause change; it exists in various forms like heat and light.

Ecosystems

Communities of living organisms interacting with their environment, including plants, animals, and microorganisms.

Forces

Pushes or pulls that can change the motion of an object, such as gravity and friction.

EXAMPLES

→ Water boiling is an example of matter changing state.

→ Plants converting sunlight into energy through photosynthesis.

→ A ball rolling down a hill demonstrates the force of gravity.

MEMORY TIPS

★ Remember 'M.E.F.' for Matter, Energy, Forces.

★ Use 'S.E.E.' for Scientific Method: State, Experiment, Evaluate.

★ Think of 'Ecosystem' as 'Eco' for environment and 'System' for interaction.

COMMON MISTAKES

✗ Confusing mass with weight; they are different concepts.

✗ Overlooking the importance of controlled variables in experiments.

✗ Ignoring the role of ecosystems in balancing nature.

QUICK RECAP

Science helps us understand the world through observation and experiments. Key concepts include matter, energy, ecosystems, and forces. Remember to apply the scientific method for effective learning.