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What is Plant Growth

Discover how plants grow and thrive in their environment!

DEFINITION

> Plant growth is the process by which plants increase in size and develop. It involves various stages from seed germination to maturity.

KEY CONCEPTS

Photosynthesis

Plants use sunlight, water, and carbon dioxide to make their food and grow.

Germination

This is the process where a seed begins to grow into a new plant.

Roots and Shoots

Roots anchor the plant and absorb water, while shoots grow upward to reach sunlight.

Growth Stages

Plants go through stages: seed, seedling, mature plant, and flowering.

Environmental Factors

Light, water, soil, and temperature all affect how well a plant grows.

EXAMPLES

→ A sunflower seed grows into a tall flower with bright yellow petals.

→ A tiny bean seed sprouts and develops into a green plant.

→ A tree grows larger each year, adding new rings to its trunk.

MEMORY TIPS

★ Remember 'GROW' for Germination, Roots, Oxygen, Water.

★ Think of 'Photosynthesis' as 'Photo-synthesis' to recall light and energy.

★ Use the acronym 'SPLAT' for Soil, Photosynthesis, Light, Air, Temperature.

COMMON MISTAKES

✗ Confusing germination with photosynthesis.

✗ Overwatering plants thinking it helps them grow faster.

✗ Not recognizing the importance of sunlight for plant health.

QUICK RECAP

Plant growth involves processes like photosynthesis and germination. Understanding the stages and factors affecting growth is essential for nurturing healthy plants.