

Plants: The Science of Growth with Bea the Honeybee

Learning objective: To identify and describe the functions of different parts of flowering plants and understand what plants need for life and growth.

Read each flashcard carefully. The front of the card asks a question or presents a term, and the back provides the answer. Use these to test your knowledge about how plants grow and survive.

What is the main function of the roots?

Roots anchor the plant in the soil and absorb water and nutrients from the ground.

What does the stem do for a plant?

The stem holds the plant upright and transports water and nutrients from the roots to the leaves and flowers.

Why are leaves important to a plant?

Leaves are where the plant makes its own food using sunlight, a process called photosynthesis.

What is the purpose of a flower?

Flowers are designed to attract insects for pollination and to produce seeds for the next generation of plants.

What is pollination?

Pollination is the process where pollen is moved from one flower to another, often by bees like Bea or the wind, allowing seeds to grow.

What do plants need to grow healthily?

Plants need sunlight, water, air, nutrients from the soil, and space to grow.

What is germination?

Germination is the process where a seed starts to sprout and grow into a new, young plant.

True or False: All plants need soil to grow.

False. While most plants need soil for nutrients, some plants can grow in water or on other surfaces if they have the right conditions.

What is the job of the seed coat?

The seed coat protects the inside of the seed until it is ready to germinate.

How does water travel through a plant?

Water is taken up by the roots and travels up through the stem to the rest of the plant.

What is a nutrient?

A nutrient is a substance that a living thing needs to stay healthy and grow, which plants collect from the soil.