

Second Grade Science Study Guide

Chapter 1: All About Plants

What do plants need to grow?

Plants need sunlight, soil, air, and water.

What are the parts of a plant?

The four main parts of a plant are the roots, stem, leaves, and flower.

How are seeds scattered?

Seeds can be scattered by air, water, animals, or people.

How are plants grouped?

Plants are grouped into two kinds: 1) plants with flowers and 2) plants without flowers.

How have plants adapted to their environments?

- Woodland Plants: Pine trees have needle shaped leaves that do not dry out in the winter. They also protect the tree because most animals can't eat them. Maple leaves fall off the trees in autumn. This helps the tree keep the water it needs in the winter.
- Prairie Plants: Goldenrod and Prairie Smoke plants are adapted to keep water when there is not enough rain.
- Desert Plants: The cactus and octopus trees are adapted to hold water for a long time. Animals will also not eat them because of their spines.
- Marsh Plants: The Venus-flytrap and sundew plants get their nutrients from insects. Cattails can grow in very wet soil.

Vocabulary Words

- Nutrients: Materials that living things need to live and grow.
- Roots: The part of a plant that holds the plant in place and takes in water and nutrients from the soil.
- Stem: The part of a plant that holds it up and carries water and nutrients to the leaves.
- Leaves: The part of a plant that use sunlight, air, nutrients, and water to make food for the plant.
- Flower: The part of the plant that makes seeds.
- Environment: All the living and nonliving things that surround us.
- Adapted: This word means to change. Plants and animals are adapted to live in their environment.
- Prairie: Land that has a lot of grass and few trees.