

Plants create food through photosynthesis. For photosynthesis to take place, plants need sunlight, chlorophyll, water, and carbon dioxide. Different parts of the plant are used in photosynthesis.



Key vocabulary

photosynthesis

A chemical process by which green plants make their food. Plants use energy from the sun to turn water and carbon dioxide into food, and they give off oxygen as a by-product.

chlorophyll

The green substance in plants that uses light to manufacture food from carbon dioxide and water.

stomata

Tiny pores in the bottom of leaves.

vein

1. One of the stiff, narrow tubes that forms the framework of a leaf. 2. One of the vessels through which blood is carried back to the heart from other parts of the body.

Related articles



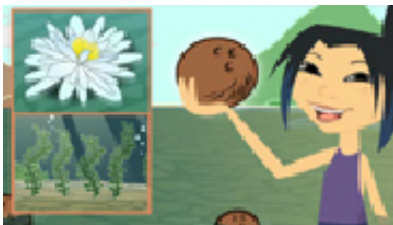
Gymnosperms: Seeds in Cones

Plants have to get their seeds out somehow, and gymnosperms do it with cones. How? Let us show you!



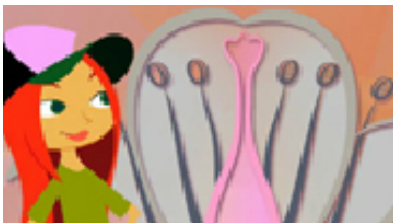
Angiosperms: Seeds in Fruit

In some plants, called angiosperms, seeds grow inside fruit. That is a pretty tasty place to grow up, if you ask us!



Plant Adaptations

When the going gets tough, plants adapt! Plants have incredible ways to adjust to their surroundings.



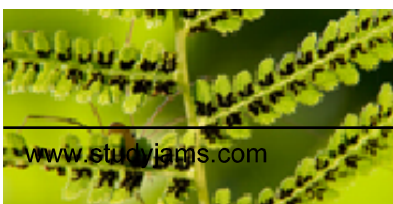
Flowers

Angiosperm plants have a special way of reproducing. They use flowers!



Plant Cells

Plant cells are powerhouse workaholics! They do all kinds of jobs inside the plant, helping keep the plant alive and healthy.



Mosses & Ferns

What do mosses, liverworts, club mosses, spike mosses, horsetails, and ferns have in common? They all reproduce using spores!