

Photosynthesis

Students become junior botanists as they learn about how plants grow in sunlight.

SUMMARY:

We're going green! Learn about how a plant uses sunlight to create food, find out why plants are green, and use micro slide viewers to inspect actual plant cells. Build and keep your own plant that will photosynthesize and grow right at home.

EDUCATIONAL VALUE:

This workshop provides students with an introduction to photosynthesis, including an understanding of the chemical processes at work in the plant, plant respiration, and the role of plants in food webs. Hands-on activities encourage students to interact with the concepts presented. This lesson provides an opportunity to develop scientific skills through inquiry based instructional methods.

TAKE-HOME MESSAGE:

- 1 Plants use energy from the sun to turn carbon dioxide and water into the food they need.
- 2 The green pigment, chloroplast, is the most abundant, which is why plants are green in color.
- 3 The beautiful colors of fall leaves are due to the fact that chlorophyll stops being formed first, leaving carotenoid to display its colors.

TAKE-HOME PRODUCT:

Create a Plant

