

PHOTOSYNTHESIS

- Like humans and all other living things, plants need to eat and drink to survive.
- Plants eat sunshine and drink water.
- Plants catch sunshine with their leaves and turn the sunshine into energy in the form of sugars, starches and proteins.
- Plants use their roots to collect water. Like a drinking straw, the plant slurps up the water through their roots.
- Plants store more food than they need. They store this energy in their stems, roots, seeds or fruits. Humans obtain this energy when we eat the plant or its fruit.
- **Photosynthesis** is the word that describes how plants make food.
- Without the sun for photosynthesis there would be no plants. If there were no plants on the earth, animal life could not be supported.----No sun, no plants, no people.

PLANT GROWTH

- Seeds are spread from plants via wind or are eaten, digested and excreted by animals, such as birds.
- With sun and water, seeds will grow into a plant. Fruit-bearing plants will develop a flowering bloom.
- Bees will pollinate flowers, mixing female and male flowering parts in order to promote future growth and development.
- A small fruit will begin to grow. With continued water and sunshine, the fruit will grow until ready to eat.

FRUIT LIFE CYCLE

Seed → Seedling → Plant with Flower → Bee Pollinates Flower → Small Fruit Develops → With Plenty of Sun and Water, Fruit is Ready to Eat!
(see attached picture)

DID YOU KNOW?

- *Of all the living things in the world, plants are the only ones whom can produce their own food.*
- *Greenhouses can increase the growth and productivity of plants by manipulating sunshine, water and temperatures. Greenhouses help us to enjoy flowers, fruits and vegetables throughout the year.*
- *Humans require oxygen for breathing and exhale carbon dioxide. Plants require and take in carbon dioxide and exhale oxygen. Forests are said to be the "lung of earth."*
- *To some degree, every creature on earth depends on green plants --for food or for oxygen.*