## Photosynthesis

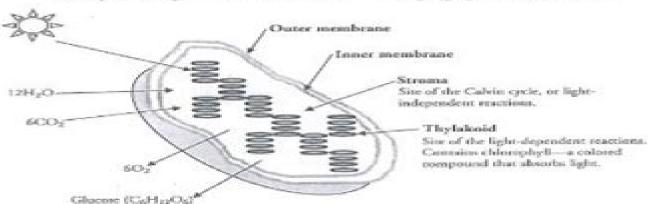
How do light-dependent and light-independent reactions provide food for a plant?

#### Why?

Plants are the original solar panels. Through photosynthesis a plant is able to convert electromagnetic (light) energy into chemical energy. This energy is used not only to keep the plant alive, but also to sustain all creatures that rely on the plant for food and shelter. Plants and photosynthetic algae are also the source of all oxygen on Earth, allowing the inhabitants of Earth to benefit from our most plentiful renewable energy resource.

#### Model 1 - Chloroplast

6CO, + 12H2O + sunlight energy -- CEH2OE + 6O, + 6H2O



- 1. Comider the organelle illustrated in Model 1.
  - a. What is the name of this organelic?

Chlorophest

A. Is this organelle more likely to be found in animal cells or plant cells?

Phonecella

The structures inside the organelle in Model 1 are called thylakoids. What compound necessary for photosynthesis is contained in the thylakoids?

chlogyly!

# **Photosynthesis Pogil Activities For Ap Biology**

**E Staff** 

## **Photosynthesis Pogil Activities For Ap Biology:**

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