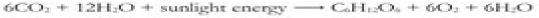
Photosynthesis

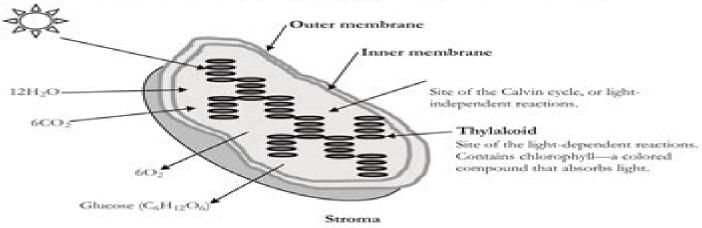
How do light-dependent and light-independent reactions provide food for a plant?

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





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

A chloroplast

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

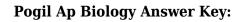
Plant cell

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

Chlorophyll

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Tao Wei



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web jun 6 2022 gluconeogenesis refers to a group of metabolic reactions in cytosol and mitochondria to maintain the blood glucose level constant throughout the fasting state reactions in the gluconeogenesis pathway are regulated locally and globally by insulin glucagon and cortisol and some of them are highl