PHOTOSYNTHESIS

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

Plants are the original solar panels. Through photosynthesis a plant is able to convert electromagnetic (light) energy int all creatures that rely on the plant for food and shelter. Plants and photosynthetic algae are also the source of all oxygen un Earth, allowing the inhabitants of Earth to benefit from our must plentiful renewable energy resource, Model 1 - Chloroplast



6CO, + 1211,O + sunlight energy - CH, Of - 60, + 6H,0 Outer membrane Inner membrane

Strong
Site of the Calede cycle, or lightindependent reactions.
Thylakoid
to share reaction
compound that absorbs he

120

Glucose (CHIOs)
1. Consider the organelle illustrated in Model I
in. What is the name of this organelle?
Chloropist
& Is this organelle more likely to be found in animal cells or plant cells!

Plutcall
2. The structures inside the organelle in Model I are called thylakoids. What compound necessary for photosynthesis is contained in the thylakoids' Chlorophyll