



Chloroplast

Equation for Photosynthesis:



Light-Independent Reaction

- Light-independent Reaction is also called _____ cycle or _____ Reaction.
- Where does it occur in the chloroplast?
- What comes in from the outside for the reaction?
- What two things are used from the light reaction?
- The dark reaction uses the above things to produce/make _____.
- This product can be used for _____ during cellular respiration or can be converted into _____, _____, or other _____.
- What are the four factors that affect the rate at which photosynthesis occurs?

Light-Dependent Reaction

- Light-dependent Reaction is also called _____ Reaction
- Where does it occur in the chloroplast?
- Draw some thylakoids:
- The pigment _____ in the thylakoid converts energy from the _____.
- What else comes in from the outside for the reaction?
- Where does this come from?
- In the reaction, the light energy splits _____ to make _____, which is released into the atmosphere.
- What two things are also created in this reaction (and used in the Calvin Cycle)?