***Photosynthesis Notes***

Comments/Questions



***F. Dark Reaction.***

I. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ converts the energy stored in the light reaction and carbon dioxide into carbohydrates (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).

* Through a series of reactions, energy from ATP and NADPH, carbon compounds and CO2 are used to form glucose, storing energy!
* The first reaction in this cycle is catalyzed by the most abundant protein (enzyme) in the world called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

***G. A Closer Look at Photosynthesis***

I. Light Reactions (*Light \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*)

* Light energy and the splitting of water store chemical energy (ATP & NADPH) and release oxygen.

II. Dark Reactions (*Light \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*)

* The energy stored in the light reaction is used to convert \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ into glucose.

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Summary