

Learning Target: I can explain how the process of photosynthesis allows organisms to capture and store energy.

3.5 Daily Video 1 – Photosynthesis

1. Organisms capture and _____
 - Photosynthesis is the biological process that captures energy _____
 - Evidence supports the claim that _____ by organisms, such as cyanobacteria, was responsible for the _____
 - Photosynthetic pathways are the foundation of _____
2. Light-dependent reactions of photosynthesis in eukaryotes involve a series of pathways.
 - Light-dependent reactions capture light energy by using _____
 - Pigments help transform _____
 - Chemical energy is temporarily stored in the _____
 - Light-dependent reactions help _____
 - ATP and NADPH transfer _____ to power the production of _____ in another pathway, called the _____
 - Oxygen is produced as a result of _____

Skill Practice – Argumentation – Type your correct answer and explain why you chose this answer.

Review questions:

1. How do organisms capture and store energy for use in biological processes?
2. How are the light-dependent reactions involved in the capturing and transforming of energy?
3. What are the products of the light-dependent reactions?
4. How are the light-dependent reactions and Calvin cycle reactions related?

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