

Name: _____

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Adapted from POGIL - Activities for High School Biology

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Photosynthesis: What's in a Leaf?

What is the relationship between structure and function in a leaf?

Why?

What would the world be like without leaves—no grass for ball fields, no beautiful landscaping? It would also mean no oxygen for animals and no food for heterotrophs. Leaves are like living machines that recycle the carbon and oxygen in our environment. This process, driven by the sun's energy, allows for a constant supply of oxygen and food for the inhabitants of Earth.

Model 1 – Leaf Sun-Catcher



General Equation for Photosynthesis



1. List **three** things entering the leaf in Model 1.

_____, _____, and _____

2. List **three** substances leaving the leaf.

Pogil Photosynthesis Whats In A Leaf Answers

DP Hallahan



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