

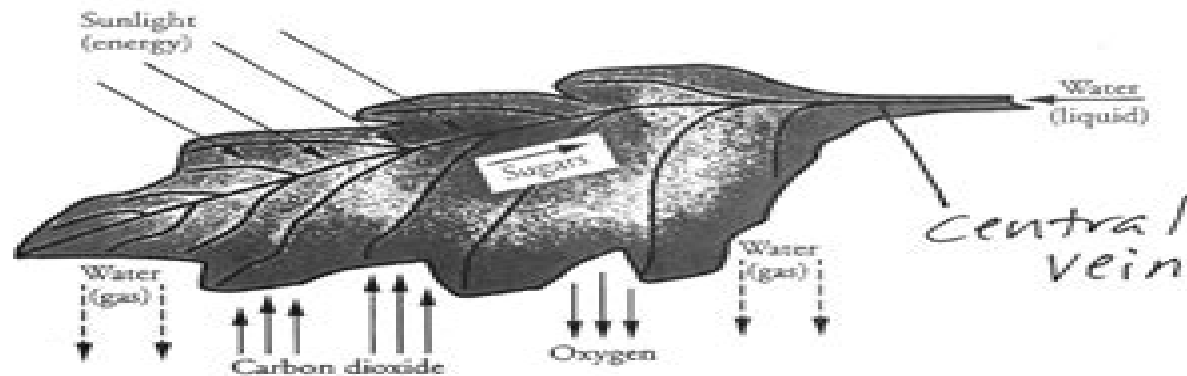
Photosynthesis: What's in a Leaf?

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 environments. 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.

liquid H_2O , gaseous CO_2 , & light energy from sunlight.

2. List three substances leaving the leaf.

gaseous H_2O (vapor), liquid glucose, & gaseous oxygen.

3. Which substance is both entering and leaving?

water - in as a liquid, out as a gas/vapor.

4. Veins are important structures that carry materials through the leaf. Label the central vein in the leaf diagram.

see diagram

Photosynthesis What S In A Leaf Answer Key

CH Cherryholmes



Photosynthesis What S In A Leaf Answer Key:

Foundation Science Biology Chandan Sengupta, Place of Publication Arabinda Nagar Bankura 722101 WB India
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Interactive Whiteboards for Education: Theory, Research and Practice Thomas, Michael,Schmid, Euline Cutrim,2010-02-28 This book contributed to the debate about the importance of research based studies in the field of educational policy making in general and learning technologies particularly the use of interactive whiteboards for education Provided by publisher

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