

Grade 4 Science Worksheet 3: Parts of a Plant - Structure of Leaf + Photosynthesis (Difficulty Level: Advanced)

Name: _____

Date: _____

Question 1: What would happen if there were no chlorophyll in a leaf?

- a) The plant would store more water.
 - b) The leaf would not absorb sunlight and could not make food.
 - c) The leaf would grow faster.
 - d) The stomata would stop working.
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Question 2: What is the role of sunlight in photosynthesis?

- a) It provides energy for the chemical reaction that makes food.
 - b) It helps water turn into carbon dioxide.
 - c) It removes oxygen from the leaf.
 - d) It traps heat to keep the plant warm.
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Question 3: Why do plants release oxygen into the air?

- a) Because oxygen is not needed for food production
 - b) Because the plant uses only carbon dioxide for photosynthesis
 - c) Because oxygen is a byproduct of photosynthesis
 - d) Because oxygen is harmful to the plant
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Question 4: How does carbon dioxide enter the leaf for photosynthesis?

- a) Through the petiole
 - b) Through the stomata
 - c) Through the chlorophyll
 - d) Through the veins
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Question 5: What happens to the glucose produced during photosynthesis?

- a) It is released into the air.
 - b) It is stored in the plant or used for energy.
 - c) It is turned into carbon dioxide.
 - d) It is absorbed by the roots.
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Bonus Question:

Which of these is the best description of photosynthesis?

- a) Turning water into sunlight and air
- b) Using sunlight, water, and carbon dioxide to make food
- c) Storing sunlight in the leaves for energy
- d) Absorbing water from the roots

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