

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

Name: _____

Date: _____

Question 1: Which of the following best describes photosynthesis?

- a) The process by which plants grow taller
 - b) The process by which leaves make food using sunlight, water, and carbon dioxide
 - c) The process of releasing oxygen into the air
 - d) The process of absorbing water from the soil
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Question 2: What happens if there is no sunlight for photosynthesis?

- a) The plant will use oxygen to make food.
 - b) Photosynthesis will stop, and the plant will not make food.
 - c) The leaf will make food using water only.
 - d) The plant will take in more carbon dioxide to make food.
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Question 3: What role do chlorophyll molecules play in photosynthesis?

- a) They absorb sunlight to provide energy for making food.
 - b) They carry water to the cells of the leaf.
 - c) They release oxygen into the air.
 - d) They protect the leaf from insects.
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Question 4: What is the role of the stem in supporting photosynthesis?

- a) It carries food from the leaves to the roots.
 - b) It transports water and nutrients to the leaves.
 - c) It traps sunlight for photosynthesis.
 - d) It stores oxygen for the plant.
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Question 5: Why do plants release oxygen during photosynthesis?

- a) Plants do not need oxygen to make food.
 - b) Oxygen is a waste product of photosynthesis.
 - c) Oxygen helps the plant grow taller.
 - d) Oxygen is stored in the leaves.
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Bonus Question:

What does the word "photosynthesis" mean?

- a) "Light making"
- b) "Making with sunlight"
- c) "Light and food"
- d) "Using water to grow"

BE THE CHAMPION!