

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

Name: _____

Date: _____

Question 1: How does water reach the leaf for photosynthesis?

- a) Through the veins from the roots
 - b) Through the stomata in the air
 - c) From the petiole absorbing rain
 - d) From the sunlight
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Question 2: What do plants use carbon dioxide for during photosynthesis?

- a) To create oxygen
 - b) To help roots grow
 - c) To combine with water and make food
 - d) To change into water
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Question 3: Why are stomata found mostly on the underside of the leaf?

- a) To avoid direct sunlight and prevent water loss
 - b) To trap more sunlight
 - c) To absorb water from the ground
 - d) To make the leaf lighter
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Question 4: Why do leaves release oxygen into the air?

- a) Because plants do not need oxygen
 - b) Because oxygen is a byproduct of photosynthesis
 - c) To absorb more carbon dioxide
 - d) To cool the leaf during photosynthesis
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Question 5: What would happen if the stomata on a leaf were blocked?

- a) Photosynthesis would stop because carbon dioxide could not enter.
 - b) The leaf would grow larger.
 - c) The leaf would trap more sunlight.
 - d) The leaf would produce more oxygen.
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Bonus Question:

What is the main purpose of the blade of a leaf?

- a) To protect the leaf
- b) To make food for the plant
- c) To transport water
- d) To store nutrients

BE THE CHAMPION!