

## **Grade 4 Science Worksheet 2: Parts of a Plant - Structure of Leaf + Photosynthesis (Difficulty Level: Intermediate)**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

### **Question 1: What happens in the green cells of a leaf during photosynthesis?**

- a) Oxygen is taken in, and carbon dioxide is released.
  - b) Carbon dioxide and water combine to make food using sunlight.
  - c) Water is turned into sunlight.
  - d) Oxygen is converted into food.
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### **Question 2: Why are the stomata important for photosynthesis?**

- a) They carry food to other parts of the plant.
  - b) They allow carbon dioxide to enter the leaf.
  - c) They absorb sunlight for the leaf.
  - d) They store food for the plant.
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### **Question 3: What happens to the oxygen produced during photosynthesis?**

- a) It is stored in the roots.
  - b) It is used to make more food in the leaf.
  - c) It is released into the air through the stomata.
  - d) It stays inside the plant.
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### **Question 4: What would happen if a leaf lost all its chlorophyll?**

- a) The leaf would stop absorbing sunlight and making food.
- b) The leaf would grow faster.
- c) The leaf would store more water.
- d) The leaf would take in more carbon dioxide.

**Question 5: Which part of the leaf is responsible for making food?**

- a) The petiole
  - b) The stomata
  - c) The green cells with chlorophyll
  - d) The veins
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**Bonus Question:**

**What is the name of the sugar produced during photosynthesis?**

- a) Oxygen
- b) Glucose
- c) Carbon dioxide
- d) Protein

**BE THE CHAMPION!**