

Name _____

The Thirsty Journey: How Plants Take in Water for Photosynthesis

Multiple Choice Questions

1. What are the three key ingredients for photosynthesis?
 - a) Sunlight, water, and soil
 - b) Sunlight, carbon dioxide, and nutrients
 - c) Sunlight, carbon dioxide, and water
 - d) Sunlight, oxygen, and glucose

2. Which part of the plant is responsible for absorbing water and nutrients from the soil?
 - a) Stems
 - b) Leaves
 - c) Flowers
 - d) Roots

3. What is the role of root hairs in water absorption by plants?
 - a) They provide support to the plant.
 - b) They anchor the plant in the soil.
 - c) They increase the surface area for water absorption.
 - d) They store excess water.

4. What is the driving force behind the movement of water from the roots to the leaves in a plant?
 - a) Osmosis
 - b) Transpiration
 - c) Photosynthesis
 - d) Respiration

5. Which specialized tissues in plants are responsible for transporting water from the roots to the leaves?
 - a) Phloem
 - b) Epidermis
 - c) Xylem
 - d) Stomata

