

Name _____

The Thirsty Journey: How Plants Take in Water for Photosynthesis

Short Answer

1. Explain how root hairs contribute to the absorption of water by plant roots.
2. What is osmosis, and how does it play a role in water uptake by plant roots?
3. Describe the process of transpiration and its role in the movement of water within a plant.
4. What are the functions of xylem tissues in plants, and how do they help transport water?
5. Provide an example of a plant adaptation to different environmental conditions related to water absorption.

