

Name _____

The Thirsty Journey: How Plants Take in Water for Photosynthesis

Open-Ended Response Questions

1. Discuss the importance of water in photosynthesis and its role as a vital resource for plant growth and survival.
2. Explore the concept of turgor pressure in plant cells and how it relates to water uptake and maintaining cell rigidity.
3. Investigate the challenges that plants face in arid (dry) environments and the adaptations they develop to cope with water scarcity.
4. Reflect on the interconnectedness of plants and their environment, considering how water availability impacts plant ecosystems and the broader ecosystem.

