

Name \_\_\_\_\_

## The Remarkable Journey of Water and Nutrients: How Plants Absorb Vital Elements

### Short Answer Key

1. Root hairs increase the surface area of the roots by forming tiny projections.
2. Xylem vessels transport water and dissolved minerals from roots to other parts of the plant.
3. Nitrogen and phosphorus are two essential nutrients absorbed by plants through their roots.
4. Factors such as soil moisture levels, nutrient availability, and environmental conditions influence the rate of water and nutrient absorption.
5. The plant ensures optimal uptake of water and nutrients by regulating absorption rates based on environmental cues.

