

Name _____

Thriving in Diverse Environments: How Vascular Plants Adapt

Multiple Choice Questions

1. How do desert plants minimize water loss?
 - a) By having broad leaves
 - b) By storing water in succulent stems and leaves
 - c) By absorbing water through their roots
 - d) By increasing transpiration rates

2. What is a common adaptation of forest understory plants?
 - a) Specialized photosynthetic structures
 - b) Broad leaves
 - c) Deep root systems
 - d) Buoyant tissues

3. How do aquatic plants anchor themselves in the substrate?
 - a) By having flexible stems
 - b) By developing thick waxy coatings
 - c) By forming symbiotic relationships with nitrogen-fixing bacteria
 - d) By using specialized root systems

4. What is a typical adaptation of alpine plants to harsh conditions?
 - a) Tall, upright growth forms
 - b) Broad leaves
 - c) Low-growing, compact forms
 - d) Shallow root systems

5. Which of the following is NOT an adaptation of vascular plants to diverse environments?
 - a) Succulent stems and leaves
 - b) Flexible stems to withstand water currents
 - c) Broad leaves to capture sunlight
 - d) Dense, compact growth forms

