

Name _____

Adapting to Change: How Woody Plants Respond to Environmental Challenges

Multiple Choice Questions

1. How do woody plants cope with drought conditions?
 - a) By increasing water loss through transpiration
 - b) By opening stomata to conserve water
 - c) By reducing water loss through transpiration
 - d) By absorbing more water from the soil

2. How do woody plants help mitigate pollution?
 - a) By increasing pollution levels in the air
 - b) By avoiding polluted areas
 - c) By releasing pollutants into the soil
 - d) By detoxifying their tissues

3. What adaptation allows woody plants to regulate their internal temperature?
 - a) Increasing transpiration rate
 - b) Adjusting leaf orientation
 - c) Decreasing root growth
 - d) Avoiding sunlight exposure

4. How do woody plants enhance nutrient absorption from the soil?
 - a) By shedding leaves
 - b) By reducing root growth
 - c) By avoiding mycorrhizal associations
 - d) By increasing water loss

5. Why is genetic diversity important for woody plants?
 - a) It reduces resilience to environmental stressors
 - b) It increases vulnerability to diseases
 - c) It enhances adaptability to changing environments
 - d) It decreases the chances of survival

