

Name _____

Nature's Resilience: How Herbaceous Plants Adapt to Environmental Changes

Multiple Choice Questions

1. How do herbaceous plants conserve water during drought?
 - A) By increasing stomatal openings
 - B) By reducing root growth
 - C) By decreasing leaf surface area
 - D) By closing stomata

2. What is one way herbaceous plants respond to pollution?
 - A) By absorbing pollutants into their tissues
 - B) By increasing photosynthesis
 - C) By reducing root depth
 - D) By closing stomata

3. How do some herbaceous plants tolerate fluctuations in temperature?
 - A) By reducing growth rates
 - B) By adjusting flowering times
 - C) By decreasing temperature tolerance
 - D) By limiting gas exchange

4. What is the purpose of specialized root systems in herbaceous plants during drought?
 - A) To absorb pollutants
 - B) To increase water loss
 - C) To access deeper soil moisture reserves
 - D) To decrease temperature tolerance

5. What is one biochemical adaptation of herbaceous plants to pollution?
 - A) Producing enzymes to break down pollutants
 - B) Closing stomata to reduce gas exchange
 - C) Decreasing leaf surface area
 - D) Increasing root growth

