

Name _____

The Perennial Promise: Exploring the Longevity of Timeless Plants

Open-Ended Response Questions

1. Discuss the role of underground storage structures in the longevity of perennial plants, considering factors such as their ability to store nutrients and water and facilitate vegetative propagation.
2. Describe one example of an adaptive strategy that helps perennials cope with environmental challenges, such as drought, extreme temperatures, or soil erosion, and explain how it enhances their survival.
3. Reflect on the importance of genetic diversity in perennial populations, considering its role in fostering resilience to changing environmental conditions and ensuring the long-term viability of plant species.
4. Imagine you are designing a perennial garden. Describe the selection of perennial plants you would choose to create a diverse and visually appealing landscape, considering factors such as bloom time, color palette, and habitat requirements.

