

Name _____

Exploring Plant Anatomy: Understanding the Main Parts of a Plant

Open-Ended Response Questions

1. Discuss the importance of each plant part in the overall success and survival of a plant species, considering their different functions and adaptations.
2. Explain how the structure of roots, stems, leaves, flowers, and fruits reflects the ecological niche and evolutionary history of different plant species.
3. Describe one example of a plant adaptation related to each of the main plant parts and how it enhances the plant's fitness in its environment.
4. Compare and contrast the roles of roots and stems in supporting plant growth and survival, considering their structural differences and functional similarities.

