

Name _____

The Vital Role of Vascular Plants: Ecosystems and Society

Open-Ended Response Questions

1. Discuss the importance of vascular plants in providing habitat and food sources for diverse species in ecosystems, considering the implications for biodiversity conservation.
2. Explore the role of vascular plants in carbon sequestration and their potential to mitigate climate change, discussing both natural and human-induced factors that influence this process.
3. Evaluate the significance of vascular plants in supporting soil health and ecosystem functioning, considering their contributions to erosion control, nutrient cycling, and water retention.
4. Analyze the implications of human activities such as deforestation and habitat destruction on vascular plants and their associated ecosystems, discussing potential consequences for biodiversity and ecosystem services.

