

Name _____

Woody Wonders: Exploring the Role of Woody Plants in Ecosystems

Open-Ended Response Questions

1. Discuss the importance of woody plants in supporting biodiversity, considering their role in providing diverse habitats and food sources for a wide range of organisms.
2. Evaluate the significance of soil stabilization by woody plants, considering its impact on preventing erosion, maintaining soil fertility, and supporting plant growth.
3. Analyze the role of woody plants in carbon sequestration, considering their contribution to mitigating climate change and reducing greenhouse gas emissions.
4. Examine the various ecosystem services provided by woody plants, considering their role in air and water purification, nutrient cycling, and provision of food and resources for humans and other organisms.

