

Name _____

Woody Wonders: Exploring the Role of Woody Plants in Ecosystems

Short Answer Key

1. Woody plants support biodiversity by providing diverse habitats and food sources for various organisms.
2. Woody plants contribute to soil stabilization through their extensive root systems, which help bind soil particles together and prevent erosion.
3. Woody plants sequester carbon dioxide through photosynthesis, converting it into organic matter and storing carbon in their biomass.
4. Ecosystem services provided by woody plants include air and water purification, nutrient cycling, and provision of food, medicine, and raw materials.
5. Woody plants create habitats for animals by providing shelter, nesting sites, and food sources through their diverse structures and characteristics.

