

Name _____

Exploring the Habitats of Woody Plants

Open-Ended Response Answer Key

1. Woody plants in forest habitats often have broad leaves and tall, straight trunks to capture sunlight, while those in desert habitats have succulent stems and reduced leaves to conserve water.
2. Woody plants in riparian habitats stabilize soil with their deep root systems, prevent erosion along riverbanks, and provide shade and habitat for aquatic species.
3. Woody plants in mountain habitats face challenges such as temperature extremes, high winds, and poor soil quality, but they have adaptations like flexible branches and cold-tolerant needles to survive.
4. Woody plants in grassland and savanna ecosystems play crucial roles in providing shade, shelter, and food for animals, as well as contributing to soil stability and nutrient cycling.

