

Name _____

Exploring the World of Woody Plants

Open-Ended Response Answer Key

1. Oak trees and maple trees both have characteristic leaves and produce seeds, but oak trees have lobed leaves and produce acorns, while maple trees have palmate leaves and produce samaras. Oak trees are valued for their strong wood and role in supporting diverse ecosystems, while maple trees are prized for their ornamental beauty and the production of maple syrup.
2. Pine trees are essential in forested ecosystems for their role in providing habitat for wildlife, stabilizing soils, and cycling nutrients. They support diverse plant and animal species and contribute to the overall health and resilience of forest ecosystems.
3. Rose bushes have cultural significance in landscaping and gardens for their ornamental beauty, fragrance, and symbolism in various cultures. They are often used in ceremonies, celebrations, and as expressions of love and affection.
4. Bamboo plants offer economic benefits through their fast growth and versatile uses in construction, furniture making, and culinary purposes. They also have environmental benefits, such as carbon sequestration, erosion control, and habitat provision for wildlife.

