

Name _____

Exploring Reproduction in Woody Plants

Open-Ended Response Questions

1. Compare and contrast seed reproduction and vegetative reproduction in woody plants, considering their mechanisms, advantages, and limitations.
2. Evaluate the ecological significance of seed dispersal in woody plants, discussing how different dispersal methods contribute to plant survival and ecosystem diversity.
3. Analyze the importance of genetic diversity in woody plant populations, considering its role in adaptation to changing environmental conditions and resistance to pests and diseases.
4. Discuss the potential impact of human activities, such as habitat destruction and climate change, on the reproductive success of woody plants, considering both seed and vegetative reproduction strategies.

