

Name _____

The Vital Role of Non-Vascular Plants in Ecosystems

Open-Ended Response Questions

1. Explore the symbiotic relationships between non-vascular plants and other organisms in ecosystems, considering mutualistic interactions with animals and microorganisms.
2. Discuss the potential ecological consequences of declining non-vascular plant populations in ecosystems, considering effects on soil stability, water retention, and biodiversity.
3. Evaluate the effectiveness of non-vascular plants in mitigating the impacts of climate change on ecosystems, considering their role in carbon sequestration and temperature regulation.
4. Describe the adaptations of non-vascular plants that allow them to thrive in diverse environmental conditions, from humid forests to arid deserts.

