

Name \_\_\_\_\_

## Exploring Ecosystems: Nature's Complex Communities

### Open-Ended Response Questions

1. Discuss the interdependence of abiotic and biotic factors in shaping the structure and function of an ecosystem.
2. Describe the flow of energy through different trophic levels in an ecosystem, starting from primary producers to top consumers.
3. Explore the concept of ecological succession and how disturbances like wildfires or human activities can influence the process.
4. Explain the significance of biodiversity in maintaining ecosystem resilience and stability, providing examples to support your explanation.

