

Name _____

Unraveling the Mysteries of Nitrification and Denitrification

Open-Ended Response Questions

1. Explore the potential impacts of human activities, such as agricultural fertilization and wastewater discharge, on nitrification and denitrification processes in soil and aquatic ecosystems.
2. Discuss the strategies that can be implemented to enhance nitrification and denitrification in agricultural soils while minimizing environmental impacts.
3. Investigate the role of wetlands and riparian zones in promoting denitrification and mitigating nutrient pollution in freshwater ecosystems.
4. Reflect on the interconnectedness of nitrification, denitrification, and other biogeochemical cycles in maintaining ecosystem balance and resilience to environmental changes.

