

Name \_\_\_\_\_

## The Nitrogen Cycle's Impact on Aquatic Worlds

### Open-Ended Response Questions

1. Explore the potential ecological consequences of eutrophication on aquatic food webs and ecosystem dynamics.
2. Reflect on human activities that contribute to nitrogen pollution in freshwater and marine environments and propose solutions to mitigate its impacts.
3. Investigate the role of aquatic macrophytes and wetlands in nutrient cycling and nitrogen removal from water bodies.
4. Discuss the challenges and benefits of implementing nutrient management strategies, such as riparian buffers and wetland restoration, to improve water quality in rivers and lakes.

