

Name _____

Unraveling the Mysteries of Nitrification and Denitrification

Multiple Choice Questions

1. Where does nitrification primarily occur?
 - a) In soil
 - b) In water bodies
 - c) In the atmosphere
 - d) In plant leaves

2. Which bacteria are responsible for converting nitrite into nitrate during nitrification?
 - a) Nitrosomonas
 - b) Nitrobacter
 - c) Pseudomonas
 - d) Bacillus

3. What is the final product of denitrification?
 - a) Ammonium
 - b) Nitrite
 - c) Nitrate
 - d) Nitrogen gas

4. Under which conditions does denitrification occur?
 - a) Aerobic conditions
 - b) Waterlogged soils
 - c) Well-drained soils
 - d) Sunlit environments

5. What is the role of denitrification in the nitrogen cycle?
 - a) Converting nitrogen gas into nitrate
 - b) Converting nitrate into ammonia
 - c) Converting nitrate into nitrogen gas
 - d) Converting ammonia into nitrite

