

Name _____

Beneath the Surface: Bacteria's Vital Role in the Nitrogen Cycle

Open-Ended Response Questions

1. Discuss the importance of nitrogen-fixing bacteria in agricultural systems and their impact on crop productivity.
2. Explore the potential consequences of excessive nitrogen runoff from agricultural fields into aquatic ecosystems.
3. Reflect on the challenges and benefits of using nitrogen-fixing cover crops in sustainable farming practices.
4. Consider human activities that disrupt the balance of nitrogen in ecosystems and propose solutions to mitigate their effects.

