

Quiz: Human Impacts on the Nitrogen Cycle

1. Nitrogen fertilizer is often added to soil to increase the growth of crops. Which of these nearby ecosystems would most likely be harmed by the use of nitrogen fertilizer?

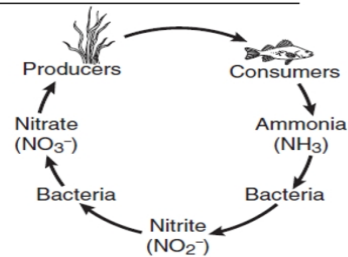
- A. Forest
- B. Pond
- C. Park
- D. Meadow

2. Nitrogen waste washing into a pond would most likely cause an increase in ____.

- A fish reproduction
- B flooding
- C water plant growth
- D evaporation

3. The diagram to the right shows a simplified nitrogen cycle in a freshwater aquarium. What would probably happen if additional fish were added to the aquarium?

- A Nitrite levels would decrease.
- B Nitrate levels would increase.
- C Bacterial populations would decrease.
- D Fish size would increase.



4. Heavy rains in an aquifer's recharge zone cause rivers and streams to flood. How will this most likely affect the aquifer?