

Unit 2: Ecology

Title:

Essential Question

**Student  
Generated  
Questions:**

1. What is a cycle?

2. Why is nitrogen important to humans (and all animals)?

3. What are the 4 processes in the nitrogen cycle?

4. What must happen to nitrogen before living organisms can use it?

5. Define nitrogen fixation

6. What organism plays a major role in moving nitrogen through the nitrogen cycle?

7. What 2 jobs do the organisms in question 6 perform?

8. Where do these organisms live?

9. Name 2 ways that nitrogen gas is converted in to nitrate solids.

	10. Define denitrification	
	11. What would happen if bacteria or lightening were removed from the nitrogen cycle?	
	12. What role do decomposers play in the nitrogen cycle?	
	13. Define ammonification.	
	14. Define nitrification.	