

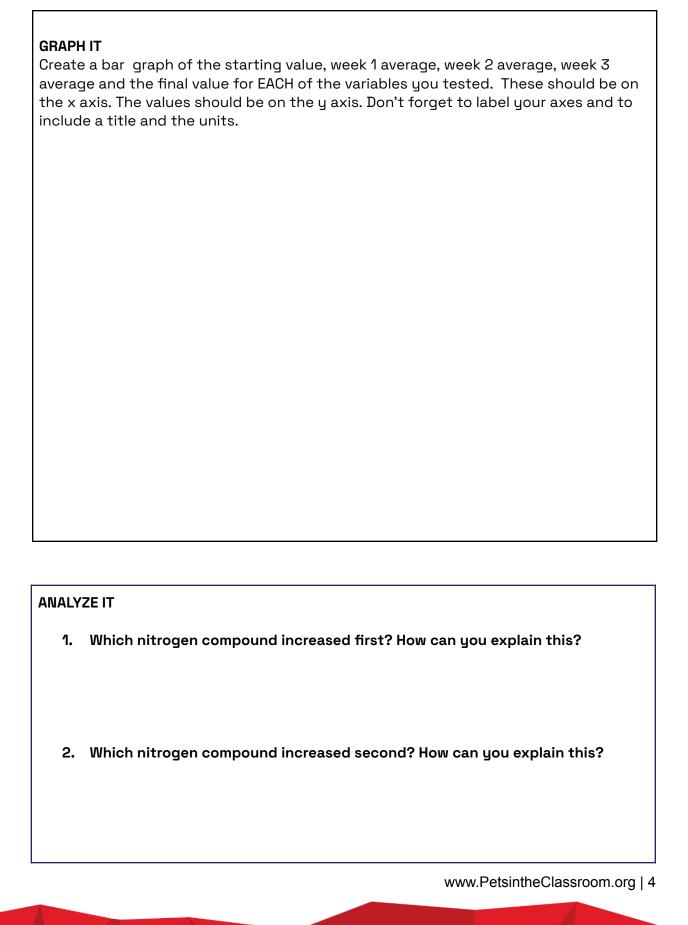
Something is Fishy in the Nitrogen Cycle Student Worksheet

In your own words, describe the Nitrogen Cycle.	
Draw a model of the Nitrogen Cycle. Label all of the parts.	

DATA COLLECTION

Date	Ammon ia Level	Nitrate Level	Nitrite Level	Subjective Observations (Observe the aquarium for any changes in
				water clarity, fish behavior, or plant growth.)
Starting Levels				
Week 1 Average * Do not include the starting level in the average calculation				
Week 2 Average				

Week 3			
Average			
_			
Difference			
between			
the ending			
and			
starting			
values			



3.	Which nitrogen compound increased last? How can you explain this?
4.	Where do you think the bacteria came from in your initial tank setup?
5.	What pattern do you notice between the ammonia levels and the nitrate levels?
6.	What pattern do you notice between the ammonia levels and the nitrite levels?
7.	What pattern do you notice between the nitrate levels and nitrite levels?
8.	Explain what happened to the levels of each nitrogen compound and how it relates to the nitrogen cycle.
9.	What role do the fish play in the nitrogen cycle?

10. If you don't want to have to change the water in your fish tank every few weeks, what can you do?