



1. **How does the matter cycle naturally?**
Goes from the atmosphere to the nitrogen, fixing bacteria in soil in plants then turns into ammonium.
2. **What are the sources of the matter?**
The atmosphere and vegetation. Also in rivers, watersheds and streams.
3. **What are the sinks of the matter?**
stratosphere destruction
4. **How does the food system affect the cycle of the matter? What impact does that have on our ecosystem?**
consumers take in the nitrogen that has been distributed to the producers.
5. **What role does the matter play in the food system? How is the matter used and transformed in the food system?**
Without nitrogen, producers such as plants, wouldn't be able to help the soil gain the benefits they do from photosynthesis because the nitrogen fixing bacteria inside the soil hand in hand with the plant like peanut butter and jelly. Without nitrogen the plant wouldn't be as healthy as it can be and it would be fairly weak.
6. **How does the ecosystem respond to the changes caused by the cycle of the matter?**
Plants become healthier because nitrogen is a limited nutrient
7. **What changes need to be made to maintain the health of our ecosystem with regards to your specific matter?**
We need to stop destroying the stratosphere