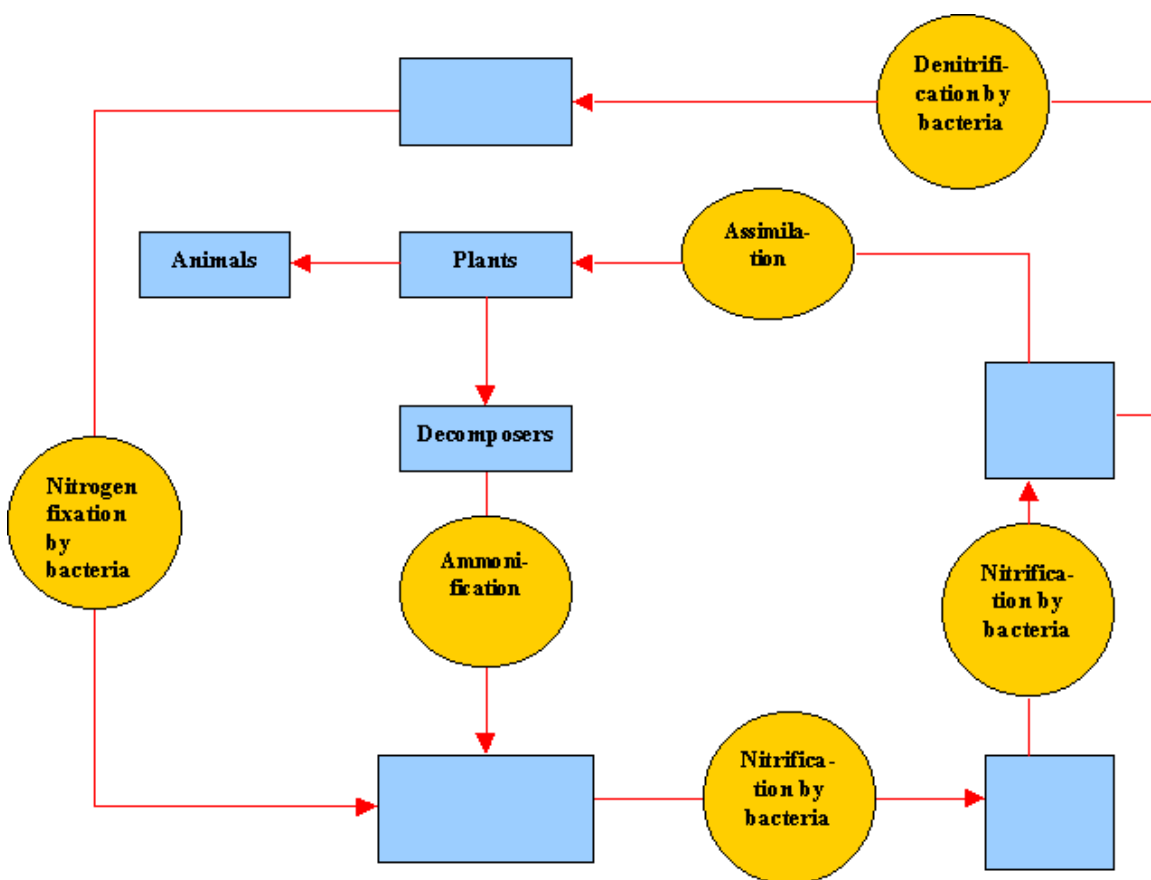


CHEM1210: Chemistry I

'Chemical Cycles' - 25 mins

1. Explain the significance of Minimata Bay.
2. Give the name of the species of chemical responsible for the problem in Minimata Japan.
3. Why are students healthier and more intelligent than their parents in Kunming China?
4. 2024 Black Earth Wisconsin – why are fertilizers no longer necessary in this possible future?
5. When would oxygen be considered a waste product?
6. Give some examples of processes (both natural and man-made) that remove oxygen from the atmosphere.
7. Complete the following diagram of the nitrogen cycle.



8. Where are nitrogen fixing bacteria found?
9. Why do you think radioactive strontium-90 substitutes for calcium in plants and animals?
10. Give some other examples of harmful chemical cycles.