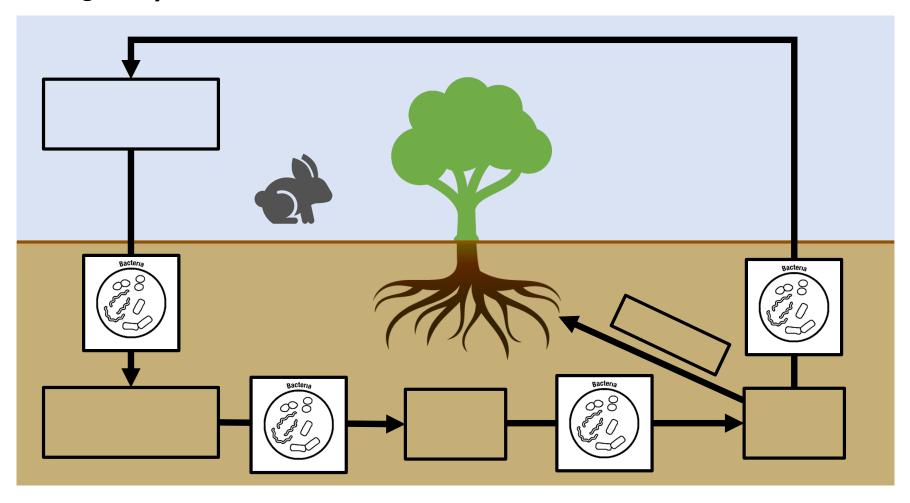
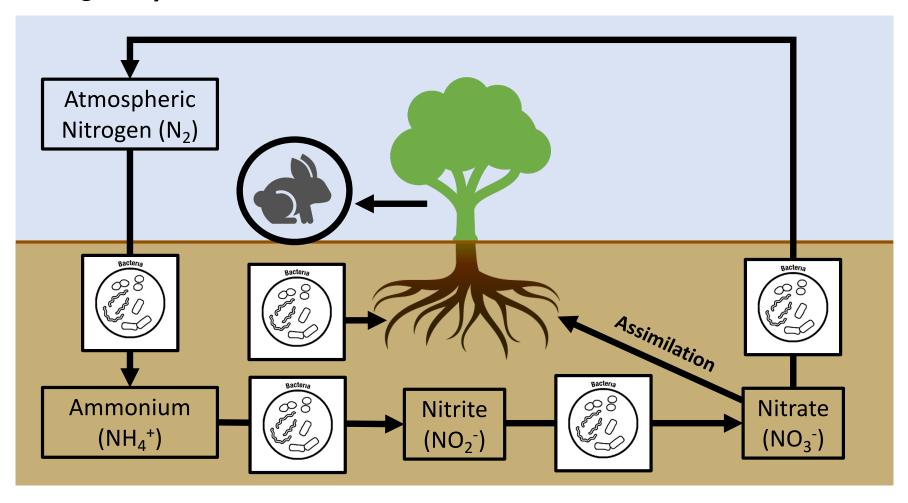


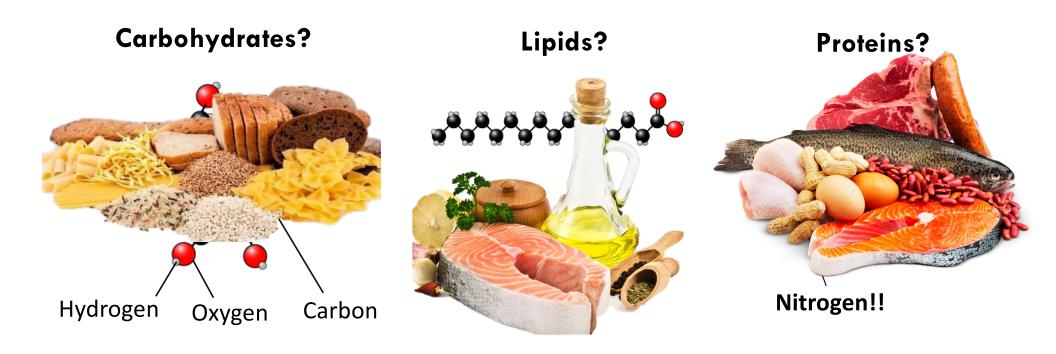
Nitrogen Cycle:

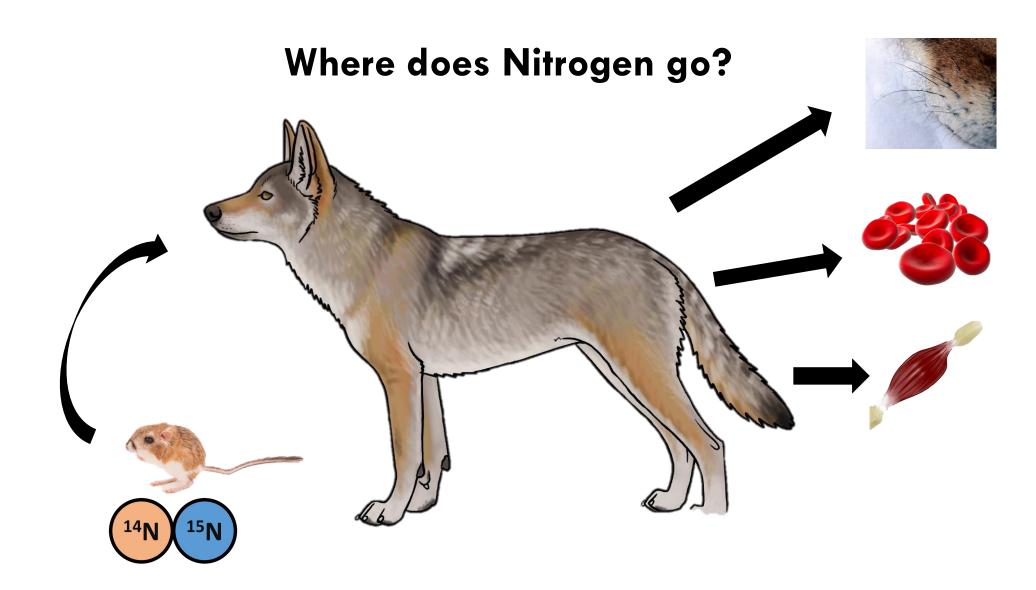


Nitrogen Cycle:

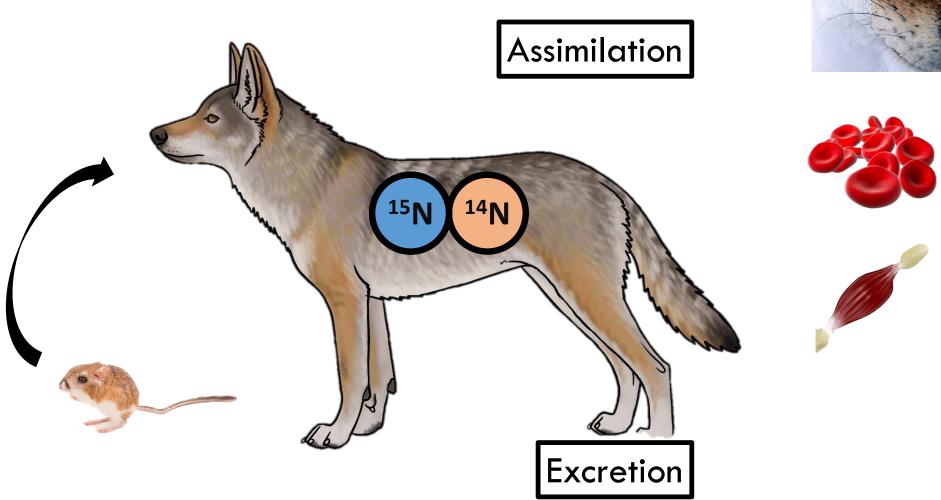


Where do animals get their Nitrogen?

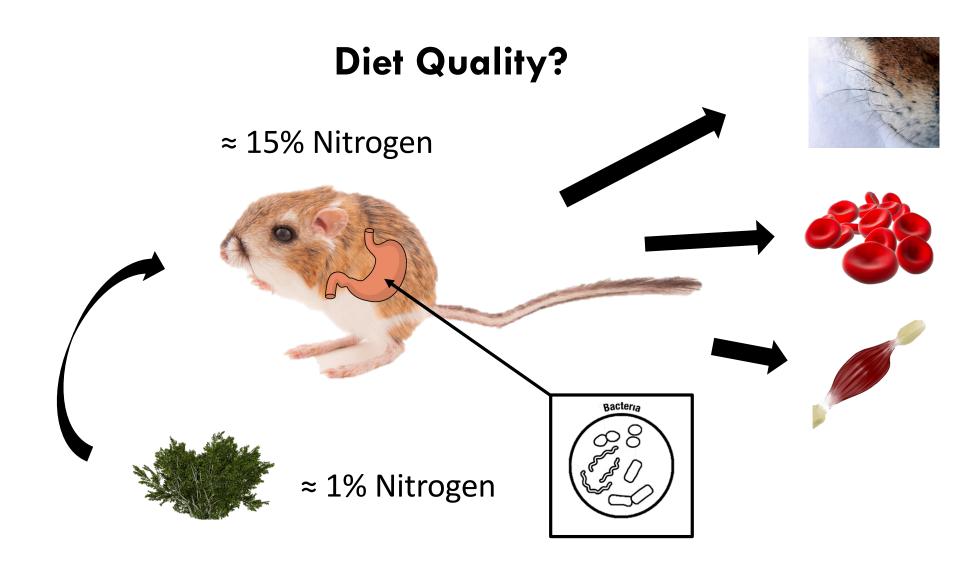




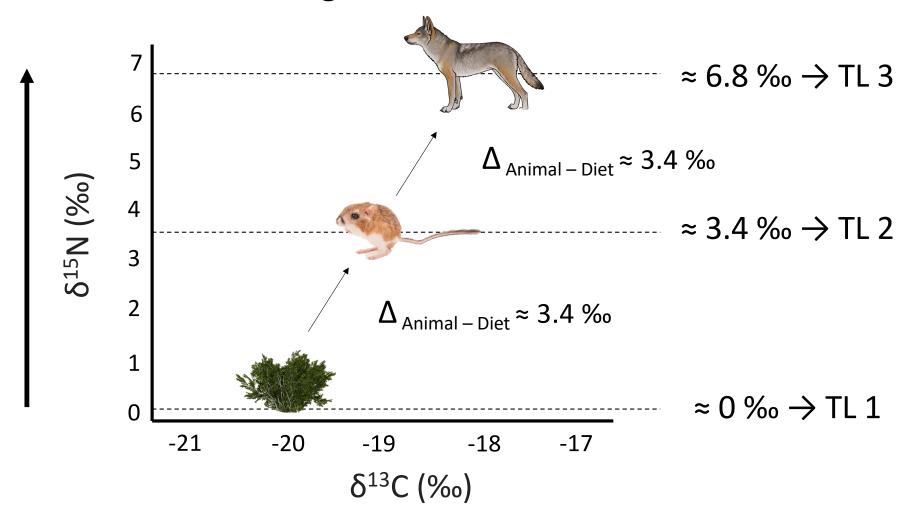
Nitrogen Processing





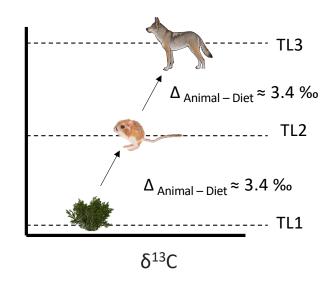


Nitrogen in food chains

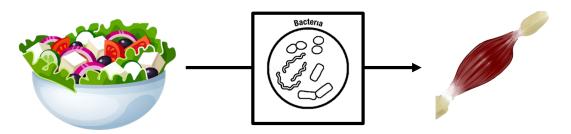


Take Home Points

- Nitrogen is found in all proteins.
- Nitrogen tells us...
 - <u>Trophic Level</u> of the organism
 - We can tell this because...
 - You are what you eat + discrimination



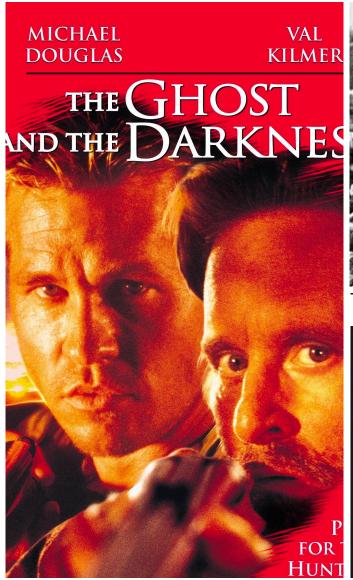
- If you eat a salad, how does your body turn it into protein?
 - Gut microbes!



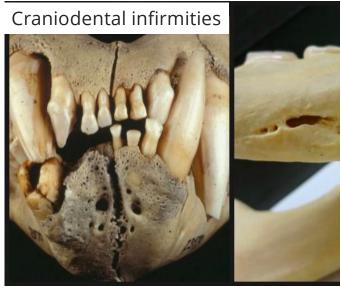


"Man-eaters of Tsavo", Kenya

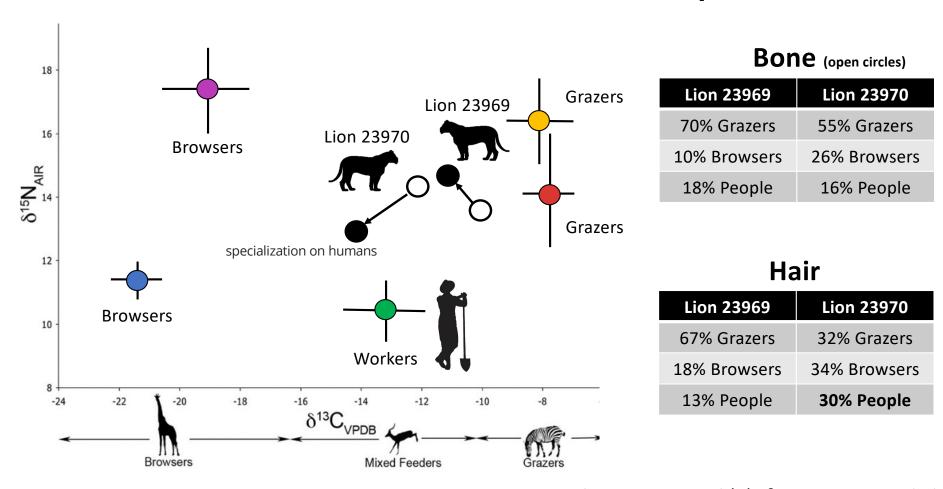








What did the lions of Tsavo really eat?



Estimates range widely from 28 to 135 victims

What happens to $\delta^{\rm 15}{\rm N}$ during fasting or during starvation?

