



#	Process (Vocabulary)	Who Does It?	Reaction
1.)	Nitrogen Fixation	Nitrogen fixing bacteria Lightning Industrial + fertilizers	$N_2 \rightarrow NO_3 \text{ or } NH_3$
2.)	Assimilation	Plants take up Nitrogen + Animals get it from plants.	$NO_3 \text{ and } NH_3 \rightarrow \text{organic material}$
3.)	Ammonification	Ammonifying Bacteria Fertilizers	$NO_3 \rightarrow NH_3$
4.)	Nitrification	Bacteria	$NH_3 \rightarrow NO_3$
5.)	Denitrification	Bacteria	$NO_3 \rightarrow N_2$