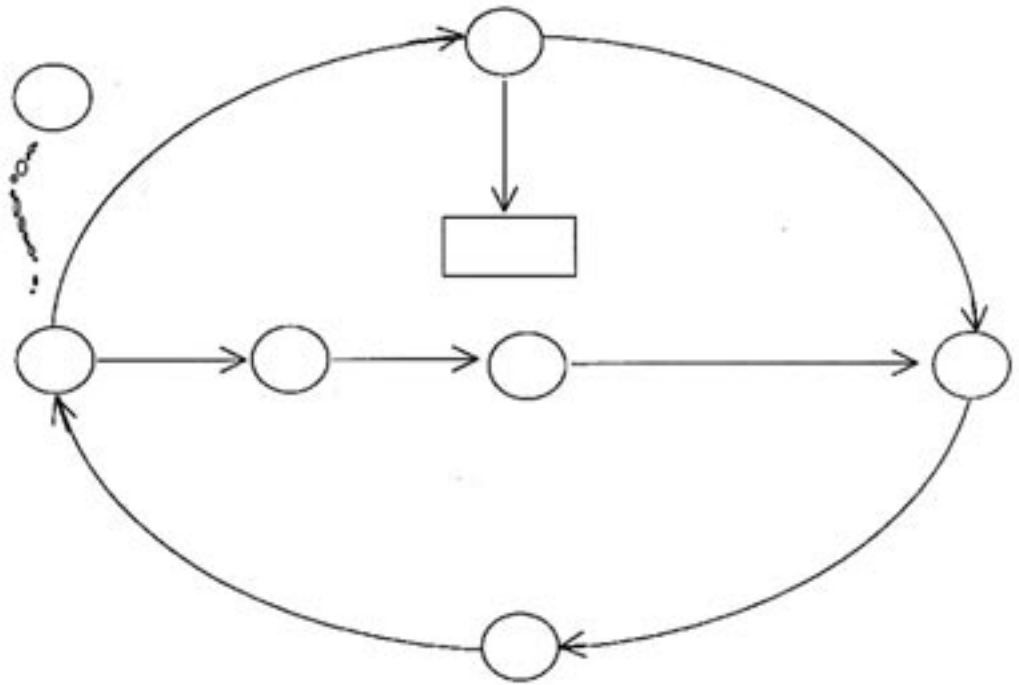
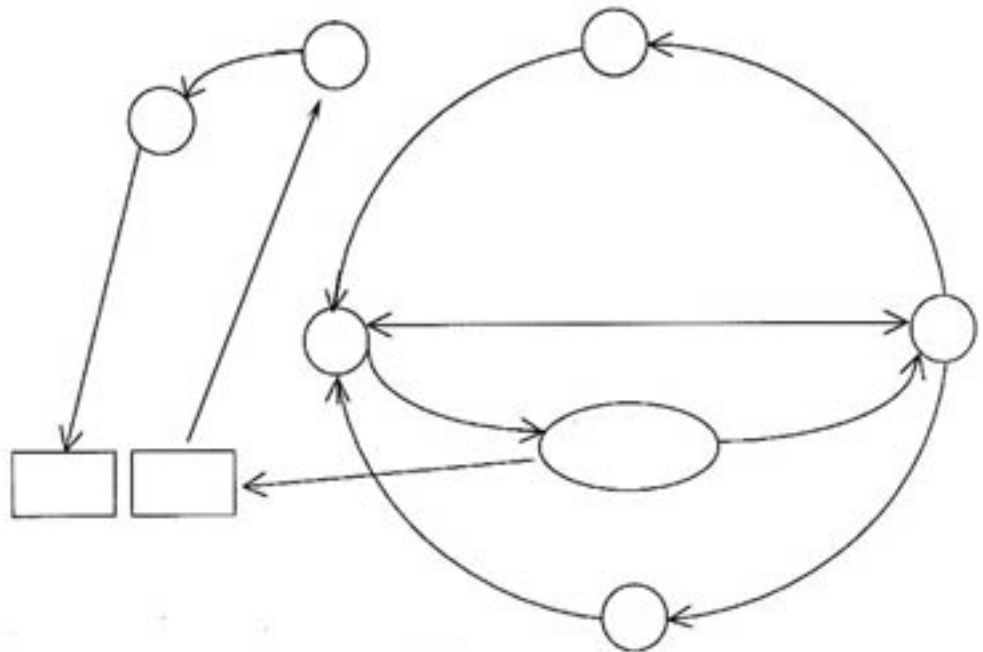


Anaerobic respiration
 Anthropogenic
 Assimilation
 Denitrification
 $N^{3-} \rightarrow N^{5+}$
Nitrobacter
 Nitrification
 Nitrogen fixation
Nitrosomonas
 Photochemical smog
Rhizobium



Anaerobic respiration
 Anthropogenic
 Assimilation
Beggiatoa
 Chemoautotrophs
Desulfovibrio
 Dissimilation
 Oxidation
 Photoautotrophs
 Reduction
Thiobacillus



Where do animals fit into the cycle? What if there were no animals? What if there were no bacteria? No photoautotrophs? What oxidation states would occur if there was no life?

T. ferrooxidans

