

Name _____ per _____ Date _____

Biogeochemical Cycles

1. What are biogeochemical cycles ?
2. What are the four most important materials that cycle through an ecosystem?
3. Ecologists describe the materials within an ecosystem as cycling between the biotic and abiotic parts of an ecosystem. What do they mean by these terms ?

Biotic =

Abiotic =

4. What are examples of biotic reservoirs in an ecosystem?
5. What is an example of an abiotic reservoir in an ecosystem?

Draw a diagram of the Carbon cycle in the space below

6. Carbon is very abundant in the atmosphere as CO_2 . How does this CO_2 enter the living part of the carbon cycle?
7. How do living things use carbon?
8. Once in living things, how does carbon return to the atmosphere?
9. What are two carbon sinks?