**Spheres of Our World**

Hydrosphere-

 Ex:

Lithosphere-

 Ex:

Biosphere-

Ex:

Atmosphere-

 Ex:

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**Cycles of Matter**

Cycle-

Matter-

Why is matter “recycled” but Energy was “lost”?

**The Water Cycle**

How does water move in the Environment?



Transpiration-

**The Carbon Cycle-**

How does Carbon Move in the Environment?



Photosynthesis-

Cellular Respiration-

Other Movements?

|  |  |
| --- | --- |
| Sinks- areas where carbon is “stored” or “accumulates”. (Absorbs more than gives off) | Sources- areas where carbon can is released. (Gives off more than is absorbed.)  |
|       |       |

What impacts do humans have on the carbon cycle?

Greenhouse Effect-

**The Nitrogen Cycle**

Nitrogen is…

Most organisms       get Nitrogen directly from the environment.

 Nitrogen fixation-

|  |  |
| --- | --- |
| Plants get Nitrogen by      | Animals get Nitrogen by      |
| Nitrogen is returns to the environment by       |