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| **CYCLE** | **Why important?** | **Compartments?**  **Sphere/form of nutrient/location/time frame** | **Flows/Processes** | **Additional Interesting Notes** |
| **Water** | Fresh water,  land use  decisions,  Water pollution | **Lithosphere:** liquid, above surface (fast),  surface soils (rel. fast), deep in ground (slow,  many years)  **Biosphere:** plants, animals liquid  **Hydrosphere:** mostly liquid (fast/slow/really  slow – streams/groundwater/glaciers) | Evaporation/Transpiration  Condensation/Precip.  Run‐off  Infiltration  Percolation  (Absorption) | Some purification,  some contamination  Evapotranspiration  Leaching  Erosion |
| **Carbon** |  |  |  |  |
| **Nitrogen** |  |  |  |  |
| **Sulfur** |  |  |  |  |
| **Phosphorus** |  |  |  |  |