Review:

* Trophic levels are the nourishment levels in a food chain.
* A food web shows a complex network of feeding relationships.
* An organism may have multiple feeding relationships in an ecosystem.
* A food web emphasizes complicated feeding relationships and energy flow in an ecosystem.

**13.4 Cycles of Matter**

**Key Concept:** Matter Cycles in and out of an ecosystem

Community

Ecosystem

Biomes and Biosphere

**Matter**: Everything that takes up space. Eg, air, wind, water, human, etc.

* Cycle through the environment.
  + 70% of earth is covered by water
  + 70% of body is made of water

**Hydrologic Cycle**: or water cycle is a circular pathway of water on earth

Water can be in the form of a liquid or a gas.

Water evaporates or condenses.

Water Cycles:

1) The lake stores water

2) Plants store water for photosynthesis

3) Water evaporates form the lake

4) Plants lose water (Transpiration)

* **Transpiration** is a type of evaporation

5) **Condensation** happens and forms clouds

6) **Precipitation** (comes from snow, rain, and goes back into the roots of the plant)

**Oxygen Cycle**:

* Cycling of matter
* Oxygen cycles directly through cycling of other nutrients

