Cycles in Nature

Water Cycle and Carbon Cycle

What is a Cycle?

The Water Cycle

• Three main parts of the water cycle
  1. Evaporation
  2. Condensation
  3. Precipitation

Evaporation

• Evaporation is when water turns from a liquid into a gas or vapor

Condensation

• Condensation is when water vapor cools and turns back into liquid
• The drops need something to attach to
• Clouds form when water condenses and attaches to dust
Precipitation

- Precipitation is when water falls back to the surface of the earth in the form of rain, snow, sleet, hail.

Water Cycle Steps

- Water evaporates when heated from the sun.
- Vapor rises through the air and cools. Why?
- Water cools to the point where it turns back into liquid (condensation) and clouds form.
- When clouds get too heavy, water falls back to earth as precipitation.
- Water runs off of the land into bigger bodies of water or else soaks into the ground.
- Process eventually starts all over again.

Carbon/Oxygen Cycle

- What do humans and other animals need to survive?
- Oxygen $O_2$
- What do plants and producers need to survive?
- Carbon Dioxide $CO_2$
How is new oxygen made?
How is new carbon dioxide made?