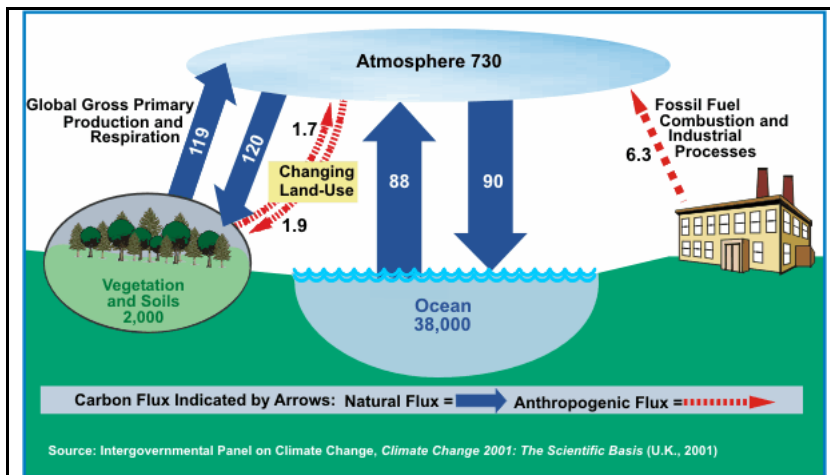


# Lesson 1

## Vocabulary Words:

<b>Proponent-n.</b>	One who argues in support of something; an advocate.
<b>Amplify-v.</b>	1. to make larger, greater, or stronger; enlarge; extend. 2. to expand in stating or describing, as by details or illustrations; clarify by expanding
<b>Reputed-adj.</b>	Reported or supposed to be such
<b>Precede-v.</b>	To go before, as in place, order, rank, importance, or time.
<b>Effusing-v.</b>	To pour out or forth; shed; disseminate
<b>Amplify-v.</b>	To make larger, greater, or stronger; enlarge; extend.
<b>Variable-adj.</b>	apt or liable to vary or change; changeable: variable weather; variable moods.
<b>Audit-n.</b>	1. An examination of records or financial accounts to check their accuracy. 2. An adjustment or correction of accounts. 3. An examined and verified account.
<b>Emissions-n.</b>	A substance discharged into the air, especially by an internal combustion engine.
<b>Precipitation-n.</b>	The amount of rain, snow, hail, etc., that has fallen at a given place within a given period, usually expressed in inches or centimeters of water.

**El Nino:** A change in the Pacific Ocean's surface temperature by a few degrees Celsius. These changes cause atmospheric conditions often resulting in rain, thunderstorms or drought around the world.



**CO<sub>2</sub>-Carbon Dioxide:** Large amounts of carbon dioxide is released into the atmosphere from decaying vegetation, oceans, volcanoes, hot springs, and geysers. A smaller amount is released into the atmosphere by burning fossil fuels (coal, petroleum, natural gas) and vegetable matter. Less than 2 percent of all CO<sub>2</sub> is in the atmosphere and over 93 percent is in the oceans. CO<sub>2</sub> is used by plants for photosynthesis. It is required for plant growth and development. Increased CO<sub>2</sub> levels have been shown to increase crop production and make farming in poor conditions, such as desert areas and areas with poor soils.

**Paleoclimatic Data:** Measurements resulting from the study of climate before instrumental weather records through ocean and lake sediments, cave deposits, tree rings, and ice core analysis.

**IPCC- Intergovernmental Panel on Climate Change:** A political panel within the United Nations designed to address global warming and create world policies to reduce human impact on global warming.