**The Human Impact on the Environment:**

* Population growth has placed strains on our environment
* Nature has a natural way of keeping itself in  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

There are natural cycles that **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:

* Atmospheric conditions
* Soil conditions
* Waste removal
* Water quality

***The Atmosphere***

* The quality of the atmosphere is regulated by **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
* **\_\_\_\_\_\_\_\_\_\_**and **\_\_\_\_\_\_\_\_\_\_\_** levels are kept in balance

***Waste Removal and Soil Regeneration***

* Waste removal is maintained by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Decomposers recycle nutrients back into the soil.
* The soil is **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** in cycles to keep it healthy for producers.

***Freshwater***

* Water is purified through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when it falls from clouds as rain.

***Human Impact***

Human population growth is increasing **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

* The more humans there are, the more **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** we need.

Humans are affecting other organisms through our\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ we create.

***Land Use***

* Land use decreases the space and resources that are available to other organisms.
* Humans have destroyed many **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Humans are decreasing the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of the natural world.
* Humans are affecting global **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Ecosystems form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_over time

* This process is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Removing stable ecosystems is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

***Pollution***

* Pollution changes the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** of air, soil, and water.
* Factories and cars release**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
* Increasing **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** levels are destroying the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** layer of the atmosphere.
* Air pollution and the destruction of our ozone layer is causing **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Renewable and Nonrenewable Resources***

* Air, Water, Soil, and Forests are **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
* This means that with time, nature can **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** these resources.

***Industrialization***

* Increase in technology and manufacturing
* Rapidly destroy, use, and produce resources.
* Requires a lot of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Requires a lot of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
  + **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Gas, Oil, and Coal are **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* They are called “fossil” fuels because they took \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of years to naturally form.
* Fossil fuels are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Fossil fuels are **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Once fossil fuels are used up, they are **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The Human Impact Summarized…**

As human population growth continues to increase, we are affecting global environmental conditions through….

* **Pollution (air, water, soil)**
  + Puts carbon dioxide in the air
  + Global warming
  + Acid Rain
  + Diseases such as cancer
  + Waste products that cannot be decomposed
* **Deforestation**
  + Reduces biodiversity
  + Destroys ecosystems
  + Takes away resources from other organisms
  + **Benefit to humans**- gives us a place to live, gives us materials we need for building
* **Industrialization**
  + Requires energy and fuel
  + Fossils fuels are nonrenewable and cause pollution
  + **Benefit to humans**- Gives us products and technology we need, creates jobs for people

We need to….

* Conserve, or save our resources- do not be wasteful!
* Stop creating dangerous chemicals
* Reduce pollution, stop littering
* Recycle materials
* Pass laws to protect the environment
* Reduce habitat destruction
* Use renewable sources of energy
* Save water
* Drive less
* Plants trees