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| **Major Evidence of Climate Change** | Rising Temperatures, Changes in Weather and Climate | **Global Warming** | Unnatural warming of the earth due to excessive greenhouse gasses. ☹ |
| **Greenhouse Effect** | Gases blanket the Earth, trapping energy and keeping the Earth warm enough to support life ☺ | **Greenhouse Gases** | Carbon Dioxide and Methane |
| **Deforestation** | The cutting of large areas of forest to create pastures, cropland or plantations (Decreases Biodiversity) | **Ozone Depletion** | Decrease in the ozone layer |
| **How Acid Rain Impacts Living Things** | Strips soil the plants need stunts reproduction abilities in aquatic animals | **Acid Rain Gases** | Sulfer Dioxide (SO2) and Nitrogen Oxides (NOx) |
| **Renewable Resources** | Resources that can be used again and again, such as water and wind | **Acid Rain** | Rainfall that is mixed with elements or gases that decrease its pH to between 5 and 5.5 |
| **Non-Renewable Resources** | Resources that cannot be used again and again, such as coal and oil (Fossil Fuels) | **Biodiversity** | Large number of different species in an ecosystem. Tropical Rainforest is the most diverse biome in the world. |
| **Invasive Species** | A species that is not native to an area. (Also called non-native) | **Keystone Species** | A species that if removed would drastically change the ecosystem because so many organisms depend in it. Ex) Corals, Sea Otters |
| **County with the Most Greenhouse Gases** | China | **Examples of Invasive species** | Zebra Mussels and Kudzu |
| **Causes of Ozone Depletion** | CFC’s that are broken down in the atmosphere into chlorine molecules that break down ozone particles. | **Sources of Carbon Dioxide Accumulation in the atmosphere** | Burning of Fossil Fuels and Deforestation |
| **Sources of Methane Accumulation in the atmosphere** | Agricultural Activities, Waste Management, Energy Use, and Biomass Burning | **Purpose of Ozone Layer** | Stops Harmful UV rays from the Sun from entering the atmosphere. |
| **Consequences of Ozone Depletion** | Increase in Skin Cancer and Blindness | **Consequences of Global Warming** | More extreme weather, acidic oceans, rising ocean levels |
| **An example of both a renewable resource that is a limited resource** | Water | **Consequences of Deforestation** | Habitat Fragmentation, Soil Erosion, Desertification, Pollution |