



Everyday Science

THE CSS POINT

Yes We Can Do It!

Global Warming

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Global Warming:

- ▶ A gradual increase in the overall temperature of the earth's atmosphere generally attributed to the greenhouse effect caused by increased levels of carbon dioxide, CFCs, and other pollutants

Causes Of Global Warming:

The main causes of global warming, in order of the magnitude of their impact, are:

1. Carbon Dioxide from:

2. Methane from:

3. Nitrogen Oxides from Farming

- ▶ **4. Other Gases**

Effects OF Global Warming:

- ▶ When it comes to global warming, harmful effects like melting polar ice caps, weather changes, and an increase in diseases are changing the world and will ultimately affect your life. Below is the list of effects that global warming is having on environment, climate and human kind.

1. Melting of glaciers: The melting of glaciers will create plethora of problems for human kind and the animals living in the earth.

- ▶ Due to increased global warming, the level of the sea will rise which will lead to flooding and this will in turn create havoc in human life.
- ▶ Apart from raising the sea levels, it will also endanger several species of animals and thus will hamper the balance of the ecosystem.
- ▶ Moreover these large glaciers reflect light back into the space and with meltdown of these glaciers, earth will be further warmed.

2. Climate Change: Irregular weather patterns have already started showing results.

- ▶ Increased precipitation in the form of rain has already been noticed in polar and sub Polar Regions.
- ▶ More global warming will lead to more evaporation which will cause more rains. Animals and plants cannot easily adapt to increase rainfall. Plants may die due to it and animals may migrate to other areas, which can cause entire ecosystem out of balance.

▶ **3. Droughts:** Large scale evaporation will be the major cause of droughts in many places particularly Africa. Although, it is reeling under the huge pressure of water crisis, increased global warming would further make the situation worse and will cause malnutrition.

4. Diseases: As the temperature becomes warmer, it will have an effect on the health of humans and the diseases they are exposed to. With the increase in the rainfall, water borne diseases are likely to spread specially malaria. The earth will become warmer and as a result heat waves are likely to increase that will cause a major blow to the people particularly in Europe.

5. Hurricanes frequency: As the temperature of the oceans rises, hurricanes and other storms are likely to become stronger. With the increase in the global warming the water in the ocean warms up and it heats up the surrounding air, creating hurricanes. More water evaporation means more hurricanes.

6. Agriculture: Global warming will affect agriculture. Although the results are not visible yet, but it may show its colours in years to come. As the global temperature will increase plants will find it harder to survive and will die. Plants are the major source of food for human beings and as a result food shortage will occur. The shortage of the food may lead to war and conflicts in some countries.

Steps To Control Global Warming:

- i) Use Public Transport:
- ii) Use Renewable Energy Like Wind Power:
- iii) Burn Methane:
- iv) Use Smart Cooler, Heater & Air Conditioner
- v) Tune up and maintain vehicles properly
- vi) Reduce electricity usage to the maximum
- vii) Prefer recycling.