

GLOBAL WARMING

Our planet Earth is home to innumerable species of both flora and fauna, but out of all, it is home to one of the most intelligent and devastating species which is us, humans. As much as we are important to utilise and protect the weak in the world, we are also causing irreparable damage to the world. Many climate scientists believe that without significant reductions in greenhouse gas emissions, the 21st century will see temperatures rise by 3 to 8 degrees, climatic patterns piercingly alter, ice sheets collapse, and seas rise several feet.

With the possible exception of another world war, a massive asteroid, a deadly pandemic, or global warming may be the only threats to our planet. The release of greenhouse gases such as carbon dioxide, methane, and nitrous oxide into the atmosphere is the primary driver of global warming. Power plants are the primary generator of carbon dioxide. A rise in the average temperature of the earth's surface, especially one that is long enough to produce [climate change](#), is referred to as global warming. Since 1900, the global average façade temperature has risen by more than a degree, and the rate of warming has been nearly three times the century-long average since 1970.

Global warming refers to an increase in the earth's average temperature. Almost all experts examining the earth's climate record now agree that human actions, particularly the emission of greenhouse gases from smokestacks, cars, and burning forests, are likely the most powerful force driving the trend. The gases add to the planet's natural greenhouse effect, allowing sunlight to enter but preventing some of the heat from being radiated back into space.

CAUSE'S OF GLOBAL WARMING

There are various causes of global warming which are leading the earth towards destruction. Knowing these causes will help us to know the root problems and help us eradicate the issue of global warming sooner. Given below are some causes of global warming.

Greenhouse Gases

Large amounts of carbon dioxide are emitted by these power plants as a result of the combustion of fossil fuels for electricity generation. About a quarter of the carbon dioxide released into the atmosphere comes from the combustion of gasoline in automobile engines.

Buildings, both commercial and residential, contribute more to global warming pollution than automobiles and trucks. The construction of these structures necessitates the burning of a considerable amount of fuel, which releases a significant amount of carbon dioxide into the environment.

Also read article on [green house gases](#) to know more about the topic.

Deforestation

Deforestation, which is caused by the cutting and burning of forests for the sake of dwelling and Industrialisation is another source of global warming. As we move towards modernisation and the era of advancing technology, we are becoming more and more apathetic towards our own nature and planet which is leading us towards wiping out large patches of trees that provide us with the

basic thing to live which is oxygen. This action of wiping out trees with absolutely no remorse has become a significantly irreversible cause of global warming.

Burning of Fossil Fuels

Fossil fuels are formed from the decomposition of carbon-based organisms that have been buried for millions of years. They create deposits that comprise carbon molecules and therefore the action of burning fossil fuels emits large amounts of carbon dioxide that gets trapped within the surface of the earth refusing to get out which increases the temperature of the planet significantly.

Transports and Vehicles

The effects on the environment caused by vehicles are significant and have been increasing over the past few years as the world is moving towards the modern world. Since vehicles use immense amounts of energy and use petrol and diesel to run which are major carbon components. Therefore burning these fuels to produce energy also emits the by-products of gases like carbon dioxide and monoxide which causes global warming.

Industrialization

Industrialization can be termed as the head of all causes since it acts as a major contributor to global warming. As much as industrialization brings employment and investment into a nation, it also brings climate change and pollution with it. Industrialization is a major cause of the emission of not just carbon-containing gases but also poisonous gases like monoxide which can cause cancer, it is also a significant reason for overpopulation and deforestation since it needs thousands of acres of land to set up the industry.

Waste Disposal

Improper disposal of solid waste directly contributes to the greenhouse effect since it produces high amounts of methane and nitrous oxides which eventually increases the temperature of the planet.

Effects of Global Warming

Scientists all over the world are making predictions about the negative impacts of global warming and linking some of the events of the last few decades to the alarming implications of global warming.

- On Oceans: The average temperature of the globe is rising as a result of global warming. A rise in global temperatures can lead to additional changes in the environment, such as rising sea levels. Since an increase in the temperature causes the glaciers and icebergs to melt at a rapid pace, it causes the sea levels to rise
- On the Weather: Global Warming causes intense heat waves by significantly increasing the temperature which disbalances the proportion of temperature in different areas. It creates disasters like droughts, floods and whatnot. It also contributes to hot days and nights, not just that it is a significant reason for frequent wildfires.
- On Humans: Immense heat waves or chilling cold nights affect humans since our bodies can't seem to adapt quickly which makes us fall sick very often and hampers our immunity.

Also, disasters like floods and droughts affect the food supply, hampering our day-to-day lives.

- On Biodiversity: Just like humans, animals and plants also need time to adapt and an imbalanced atmosphere only causes problems for them. Extreme temperatures can kill an animal or a plant if they haven't been in habit of the harsh conditions.

Solutions for Global Warming

In order to eradicate the problem of Global Warming, we need to take the necessary steps. Some of these steps are as easy as changing our daily habits. Given below are some solutions to solve the issue of global warming,

- Switch to Public Transport: The greatest strategy to reduce carbon dioxide emissions is to switch to an electric or hybrid vehicle. As a citizen, it is preferable to switch to a hybrid vehicle and take public transportation. Pollution and traffic congestion will be reduced as a result of this.
- Reduce, Reuse, Repair and Recycle: You can also make a huge contribution by reducing your use of plastic. Plastic is the biggest source of global warming, and recycling it takes years. Since it takes years for plastic or any metal to decompose, it is an advantageous decision to reuse and repair them rather than just throwing them away after one use or once they break just because it stops serving our purpose.
- Afforestation: More tree planting should be encouraged in order to green the environment. Industrialization should adhere to specific guidelines. In order to protect plants and species, industries should not be built in green zones. Such industries that contribute to global warming should face severe fines.
- Use of Electric Vehicles: Since burning fuels like petrol and diesel emit large amounts of carbon dioxide and methane which contributes majorly to global warming, switching to electric vehicles would significantly reduce the number of carbon emissions into the atmosphere and also decrease the pollution levels along with the temperature.
- Individuals cannot be held responsible for global warming; nevertheless, it can be addressed and prevented from worsening at the individual level. Industries and multinational companies, of course, emit more carbon than the typical citizen. Still, the only viable ways to control the growing status of Global Warming are activism and communal effort.
- Additionally, world leaders must develop real strategies and step programs at the state or government level to ensure that the environment is not harmed any further. Despite the fact that we are running out of time to limit the rate of global warming, it is critical to find the correct solution. Everyone, from individuals to governments, must work to find a solution to Global Warming. Pollution control, population control, and natural resource utilization are just a few of the variables to consider. Together we will be able to put an end to this for sure.

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