



## Effects of Global Warming

### Introduction

What is global warming, and why is it essential to think about it? Global warming is a scientific term for increasing the average earth temperature caused by the trapping of radiation within the world's atmosphere, similar to a greenhouse effect. This has been a natural process throughout the world's history, but it has only recently become an issue due to anthropogenic increases in greenhouse gas emissions.

### Causes

This global warming essay must investigate the causes of the problem. Global warming is caused by the rapid heating of the earth's atmosphere due to trapped energy. Greenhouse gases such as carbon dioxide and methane can build up in the atmosphere, causing solar radiation to become trapped within the planet, as in a greenhouse, thus the name. As a result of the trapping of this radiation, the temperature of the earth's atmosphere rises over time, and the world grows warmer. Natural and artificial factors contribute to global warming, but the latter has the most significant impact.

Global warming has been occurring naturally due to the sun's natural rotation, which changes the intensity of solar radiation hitting the earth. Biological processes such as volcanoes produce large amounts of Sulphur dioxide and other greenhouse gases, contributing to global warming. Once released, these greenhouse gases can contribute to the building of the atmosphere, trapping more solar energy within the globe. The methane production from fractures in the earth, waste sites, and natural gas leaks contributes significantly to global warming.

Methane has a four-time worse effect on global warming than carbon dioxide in the atmosphere. Cattle and other animals that emit methane can considerably contribute to global warming; most of this has been an issue due to human-animal agriculture, which produces hundreds of cattle for the meat business.

### Anthropogenic Consequences of Global Warming

The problem that humans are generating with anthropogenic contributions to greenhouse gases is why global warming is such a big deal today. Many of the actions that humans engage in emit massive volumes of greenhouse gases, clearly shown to be harmful to the environment. Deforestation, the combustion of fossil fuels, industrial action, and farm animals are examples of human activities that emit many greenhouse gases due to modernity, modern technology, and new lifestyles.



The rise of global industry and consumption has resulted in the manufacture of a wide range of goods, all of which rely on fossil fuels, either directly or indirectly. Surprisingly, many energy corporations worldwide that dig for new fossil fuels like oil may end up burning all of the natural gas produced instead of storing it since it is not commercially viable. Because natural gas and fossil fuels are in short supply worldwide, this causes significant concerns.

One of the most significant contributors to global warming is deforestation. Not only are trees cut down to manufacture things that must be transported using fossil fuels, but they are also removed, resulting in a net loss of photosynthesis, which plants use to make food. Carbon dioxide can be taken and converted into oxygen in this process, providing sustenance for plants and cleansing the atmosphere.

## Problems of Global Warming

Global warming and greenhouse gas emissions are problematic since they raise the earth's temperature; what are the actual impacts of global warming, and what impact will it have on our planet and society in the future? Polar ice caps may melt, resulting in widespread floods worldwide, increased frequency and intensity of destructive natural disasters, and adverse economic implications that will impede social growth.

The melting of the polar ice caps is one of humanity's most pressing issues. As the earth's temperature rises, these massive ice and snow piles will melt, causing sea levels to grow worldwide. Glaciers will melt in the same way, causing problems on land. According to a scientific study, melting all of the snow and ice today would result in a global sea-level rise of more than 200 feet, causing immediate damage to many low-lying areas such as the Netherlands and other low-lying islands across the world. The majority of countries and territories directly affected by global warming are generally the ones that contribute the least to global warming.

Biodiversity will be harmed throughout the planet as a result of global warming. Species will perish because they will be unable to adapt to their changing surroundings, and many species' migratory patterns will be disrupted. Natural disasters such as hurricanes will become more frequent, resulting in increased economic consequences. Hurricane destruction alone will necessitate the expenditure of billions of dollars around the world to reconstruct civilizations and give assistance. All-natural disasters, from tornadoes to droughts, would intensify - imagine what a hurricane twice as powerful would do!

## The Problem's Solutions

Although there are numerous strategies for preventing global warming and reducing its detrimental impacts as a community, it will be challenging to coordinate these efforts. It would be much easier to live for many more years if we stopped burning many fossil fuels. Still, the problem is that changing one's ways and adopting new behaviors is difficult, especially in the face of global capitalism and consumerism. Any essay about global warming should include information on possible remedies. We



can do tiny things to improve ourselves, such as driving a hybrid automobile that uses less petroleum.

Why drive to work and pump your car multiple times a day when you can take public transportation? Both of these methods are genuinely cost-effective for consumers. Still, the problem is that people want the items they want (for example, vehicles) and have little motivation to modify their ways. Recycling might be implemented in the same way, resulting in lower carbon dioxide emissions. Hardcore geoengineering, such as enormous mirrors to reflect radiation or pouring Sulphur into the atmosphere to impact global cooling, is expected to save the day if technology fails to reduce global warming. Efforts to develop such technology would be worthwhile since incentives would not be an issue.

## Conclusion

Finally, there are numerous causes and consequences of global warming. Unfortunately, unless rapid action is taken, global warming issues will very certainly endure. Unless hard geoengineering is established or people are given adequate incentives to change their behavior for the better, problems will persist.

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