

Essay:

The threat of Global Warming
and the ways to counter it.

OUTLINE

1- Introduction

Thesis Statement: Global Warming is a serious reality and looming threat ^{for} to the living beings of the Earth. The serious effects of the Global Warming are increasing with the increase of multiple phenomena. However, serious steps ~~are~~ can be taken to counter the threat of Global Warming.

2- Deconstruction of word "Global Warming"

3- Why is Global Warming happening?

- A) Burgeoning Industrialization and Materialism
- B) Increase of Carbon footprints due to human activities
- C) Uncontrolled consumption of world resources

D) Less paid attention by Global Community

E) Aspiring short-term benefits

4- Looming threats of Global Warming

A) Disturbing the average temperature of the Earth

B) Excessive melting of Glaciers

C) Deteriorating human health due to heatwaves

D) Irregular spells of rain

E) Carbon emission at one place ; Global warming at global level

F) Increasing Forest fires.

5- Ways to Counter the threat of Global warming

A) Think Globally but act locally

B) Unanimous Global Decisions against the Global warming

C) Initiating Plantation and Reforestation Drives

D) Ban on excessive carbon emission

E) Introduction of Carbon
Challen

F) Development and Appreciation
of Public Transport.

6- Conclusion

(Former ^{Attention} US President and a strong advocate of climate preservation, Barack Obama says, "We are the first generation to feel the impacts of climate change and the last generation that can do something about it." Mr. Obama ~~was~~ so upright saying thing, as now we are surrounded by the multiple issues connected with the climate change, especially the Global Warming. Global Warming is the grave threat to the balance of life on the Earth.) (Global warming is caused by the increase of carbon emission, which is emitted by the ongoing industrialization. This issue is increasing because of excessive human activity and due to less attention paid by the global world. This rise of ~~carbon emission~~ Global Warming increases

the average temperature of the Earth, which results into multiple harmful phenomena like melting of glaciers, excessive raining and forest fires. However, this threat can be mitigated by ^{taking} applying some serious steps. Global world needs to act like one body to counter the effects of global warming. Some restrictive measures like challan on carbon emission and ban on excessive carbon emission, should be adopted. (Global Warming is a serious reality and looming threat for the living beings of the Earth. The serious effects of the Global Warming are increasing with the increase of multiple phenomena. However, serious steps can be taken to counter the threat of Global Warming.)

Some people interchange the term Global warming with the Climate Change. However, differences are present between the two terms. As per NASA, Global Warming is the long-term heating of Earth's surface observed since the pre-industrial period due to human activities,

primarily fossil fuel burning, which increases heat-trapping greenhouse gas levels in the Earth's atmosphere. There is 66% likelihood that the annual average near-surface global temperature between 2023 and 2027 will be more than 1.5°C above pre-industrial levels for at least one year. There is 98% likelihood that at least one year of the next five years, and the five-year period as a whole will be warmest on record. (WMO, Report, July, 2023)

The increase of industrialization and materialism in the human life is playing a very serious role in the increase of carbon dioxide emission. This carbon emission eventually increases in the extent and might of the Global Warming. The human have a major contribution in the increase of carbon emission as compare to the natural level of carbon emission in pre-industrial age. According to the report, human activities and industrialization raised up to 45% carbon dioxide emission since the pre-industrial age (IPCC, Special Report, 2019).

Human activities have contributed in the increase of carbon footprints.

These carbon footprints result into the increase of carbon sheet in atmosphere, which is leading phenomenon of the Global warming. In the current age of technology, everything runs on the fuel, which results into the increase of carbon in the atmosphere. Carbon from the vehicles, machines, motors and others are main contributors of the carbon footprints in the atmosphere. Moreover, the increasing weaponization is also contributing its major part in the emission of carbon and increases the carbon footprints.

Global warming is also caused by the uncontrolled consumption of the world resources. States and nations are recklessly consuming the fossil fuels without realizing its limiting nature. This fossil fuel combustion, then results into the thickening of carbon sheet of atmosphere, which increases the global warming. According to the report, the fossil-fuel combustion contributed 78% of the total greenhouse gas emission.

since 1970 and fossil-fuel combustion is the largest contributor of carbon emission presently. (EPA, Report, Feb, 2023)

Another reason behind uncontrolled carbon emission and eventually resulting into Global Warming is disinterest and less paid attention of International Community toward this serious issue. Global warming is an global issue and ~~even~~ therefore, collective negligence is behind its wide spread in the nature. For instance, climate fund was established at Conference of Parties, popularly known as COP 21, but the major carbon emitters never paid their due share in climate fund. Some remarkable policies are also made at international medium, but member states never obey the made policies because they pay deaf ears to the global warming.

Human nature of aspire short-term benefits out of natural resources ~~are~~ is a philosophical reason behind the emergence of global warming. Human being started industrialization for the benefits of humans, but did not apply any checks and balances on it. The over-consumption of fossil-fuels,

hydrocarbons, and natural resources depicts the selfish nature of human beings. It is commonly suggested to use natural resources as the ~~asset~~ asset of next generations, but unfortunately, humans of current age are thinking only for themselves.

Global Warming has adverse effects on the living beings average temperature of the Earth's atmosphere. Actually the carbon sheet surrounding the Earth allows the sunlight, but trap it inside the sheet, and that is how, the average temperature of the Earth's atmosphere rises. The world has seen the rise in average temperature due to global warming effects because of massive industrialization since the last century. Global temperature has risen 0.9 degree celsius and average water at sea level has risen 8 inches as compared to the levels of 19th century. (NASA, Annual Report, 2020)

This rise in global temperature exerts disastrous effects on the glaciers, causing rapid glacier melt globally. This melting is decreasing the ice cover of the world and therefore, an important source of freshwater

is being under threat. This melting has very grave effects on the ecosystem and environment of the Earth, as many living beings, including humans are dependent on it. According to a recent report, Himalayan Glaciers could lose up to 80% of their ice by 2100 C.E., because of temperature rise (CNN, Climate Report, 2023).

Humans are not exempted from the adverse effects of the Global Warming. Global Warming creates heatwaves, which has severe impact on the health of human beings.

~~Both~~ Many people die due to heatwaves as we have seen multiple cases reported in the recent heatwave of Europe. Not only death is the consequence, but effects on overall health and mental health are also caused by the Global warming. Poor nations are highly vulnerable to the effects of the Global warming, due to lack of resources.

One in five persons in South Asia are estimated to be at high risk due to a lack of access to cooling and safe indoor temperature. (WBG, Report, June 2023)

This Global warming also participates

in climate change, which can result into irregular spells of rain. Irregular spells of rain can provide damage to the agriculture, live stock, infrastructure, and eventually economy. As, there are usually two to three spells of monsoon rain in Pakistan, but there were eight spells of monsoon in Pakistan in 2022. This excessive rain resulted into the devastating floods of Pakistan, which provided damage of US \$ 15 Billion, as per World Bank (2022). Moreover, fifteen thousand people died, eight million were displaced, and more than four million of agricultural land were destroyed (IPRI, Apr 2023).

The most irritating effect of Global Warming is universal damage. Carbon emission produced at one place has a wide potential to provide harm to a far away place via Global Warming. It can be spread from one place to another in no time. It can be observed in the floods of Pakistan in 2022. It was basically caused by the irregular raining and abrupt glacier melting, because of the global warming. Therefore the United Nation's Secretary General pointed towards the

fact that Pakistan has 0.39% share in the global carbon emission, whereas it was in the top of the effected a state by global warming.

~~Above~~ Despite

1.7: Besides the above mentioned effects, Global warming also poses threat to the forests in the case of forest-fires. Forest-fires are the common ~~happening~~ phenomenon at global level. Global warming causes dryness in the forest and eventually those dry leaves catch fire and result into forest fire. This forest fire has a series of adverse effects on the ecosystem. It destroys trees and living being present there in forest. In 2022, the ferocious forest-fires were seen in Australia, which damaged a number of trees and many animals were burnt alive in those forest-fires.

There are multiple ways to counter the threat of Global Warming. One of them is that world should think at the global level, but should act at the local level. This is the main antidote to the present leading cause, that is non-cooperation, of the Global Warming. By this term, states should join hands and

formulate a policy to counter Global Warming according to the collective wisdom. Then the member states should execute those golden policies in their state. For instance Net Zero Emission by 2050 was approved at the forum of IEA, but countries are exerting their individual efforts to achieve it.

Another way is that International Community should decide unanimously to tackle this issue with iron hands. As now everyone knows that Global warming can be caused by the carbon emission at any place. Therefore, global efforts should be conducted to lessen the global warming and its impacts.

Global world should sit and plan to execute its former policies unanimously. In COP 21, almost all member states agreed to reduce the carbon emission by 30% by 2030 and by 50% by 2050. There is a dire need of its implementation in true spirit.

Another strategy to counter the threat of global warming is initiating the plantation and forestation drives in the states. Forests are the key members of the ecosystem. That is why Former U.S. President Franklin D. Roosevelt

says, "Forests are the lungs of our land, purifying the air and giving fresh strength to our people." Individual countries should allocate their resources and exert their efforts in the plantation and forestation. For instance, the Billion Tree Tsunami Project of KPIL, Pakistan proved a great project of 2014-18 with success ratio 84%.

As carbon emission is the real reason behind the global warming, so, the governments should impose ban on the excessive carbon emission. ~~As~~ There are some cars, which have engines older than a required age. Those cars emit more smoke and eventually more carbon dioxide in the air. Likewise, some factories have installed low-graded machinery, which emit more carbon dioxide than the expected. Therefore, governments should impose ban on the malfunctioned engines. It will reduce the spread of carbon in the atmosphere.

Carbon emission was always present in the atmosphere, but it got impetus in the industrial revolution and especially with the invention of motor-vehicles. Governments should disregard

the self individual transport and pay their potential in developing public transport and appreciating the use of public transport. Public transport will consume less fuel as compared to individual vehicles and therefore will release less carbon dioxide in the atmosphere.

Developed world had already established their transport system and had reduced the carbon inflow from the individual transport.

Conclusion: In a nutshell, one can say that

Global warming is creating harmful threats to the life present on the Earth. Global warming is a major cause behind the temperature rise, glacier melting and other devastations like floods and forest-fires.

However, it can be mitigated by the collective wisdom and collective action.

The most important is the understanding of think globally and act locally. No individual state can handle the global warming. It needs the collective wisdom, as it is related to everyone living in this world. Humanity has provided enough damage to the nature and now, revolutionary steps are required to mitigate the threat of global warming. People

should disregard the over-consumption of fossil-fuel and should lead towards the non-zero emission. Individual transportation plays a major role in the production of carbon emission. Therefore, people should use public transport. An activist and founder of Microsoft Bill Gates in his book *How to Avoid a Climate Disaster* (2021) explained the adverse effect of global warming and use of technology. He insisted the world to take serious steps immediately.