

Essay Topic :-

Climate Change: Causes And Consequences

Outline

1. Introduction

- Hook
- Background
- Thesis Statement: The causes of climate change encompass of burning fossil fuels, agricultural activities and rapid industrialization that results in devastating consequences such as environmental consequences, social threats and economic impact which need an urgent measures in order to get sustainable environment.

2. Causes of climate Change

- 2.1 Burning fossil fuels.
- 2.2 Agricultural activities
- 2.3 Rapid Industrialization.

3. Consequences of Climate Change

- 3.1 Environmental consequences
- 3.2 Social threats
- 3.3 Economic impact

4. Strategies for sustainable environment

- Afforestation and reforestation
- Transitioning into renewable energy resources.
- Agricultural diversity.

5. Conclusion

Make a comprehensive outline

No of arguments are not enough

for 100 marks essay

Integrate hook directly into the

Introduction paragraph

The Essay
The climate problem is not climate
change itself, but humans
greed and irresponsibilities - George Monbiot

Introduction is too short
Follow proper structure of
introduction

The Climate Change refers to the long term alteration in the Earth's climatic system results in various changes in lives of living things. Scientists have agreed that humans are the primary drivers of the climate change by human induced activities are consisting of burning fossil fuels, agricultural activities and rapid industrialization that result in devastating consequences such as environmental consequences, social threats and economic impact which need an urgent measure in order to get sustainable environment.

To begin with, burning of fossil fuels plays a crucial role in the climate change. Burning of fossil fuels can be defined as the burning of oil, natural gas and carbon containing compounds that emits energy results in

emission of carbon dioxide (CO_2) back into the atmosphere. The energy released from burning fossil fuels can be used in production of electricity and power appliances. Burning of fossil fuels leads to the devastating effects such as; releasing Carbon dioxide (CO_2) can cause global warming by increasing green house effect, cause ice and glacier melting more immediately because of many pollutants attach to the ice that capture heat from sun easily. Other reason would be the substances that release from burning of fossil fuels like Sulphur dioxide (SO_2) and carbon dioxide (CO_2) when reacts with water and oxygen to form acid rain, creating wide range of damage to the environment. These are the causes of climate change due to the burning of fossil fuels leads to various impacts on environment as well as on living things.

The other cause of climate change is agricultural activities. Agricultural practices involving the use of chemicals, pesticides, fertilizers, livestock

farming may cause carbon dioxide, methane and nitrous oxide emission that impact on environment in negative way. For example large number of fertilizers used in agricultural farming has increased the releasing of nitrous oxide (N_2O) which is harmful for climate.

As nitrous oxide (N_2O) is 300 times more harmful than carbon dioxide (CO_2). Therefore, causing global warming in the Earth's atmosphere. In addition, live stock farming (cattles) emits methane (CH_4) when digesting, which is 25% more harmful than carbon dioxide. These practices affects

the atmosphere by increasing green house effect. Furthermore, ~~the~~ chemicals such as pesticides that has been used in crops, vegetables and fruits to prevent spoilage can cause the long term effects on them that will become the part of human lives, therefore causing various diseases, for instance carcinogenic effects, allergies and various gastro intestinal disorders.

The last cause of climate change is rapid industrialization. It

acts as two edged sword; plays role in economic development and can also cause damage to the climate. According to IPCC, it causes various impacts in Earth's atmosphere. For instance, deforestation would be increased by developing infrastructure which diverse the wild life and increase greenhouse effect by developing different factories in wide range which results in releasing of greenhouse gases. It also leads to the urbanization, one of the factor for global warming. The vehicles, factories, electronic equipments are the sources of harmful gases such as Sulphur dioxide (SO_2), Nitrogen dioxide (NO_2), and carbon dioxide (CO_2) which cause many atmospheric disturbances and issues, such as acid rain, soil erosion, water pollution, noise pollution. However, rapid industrialization has been harmful factor in the Earth's atmosphere.

As seen these causes of climate change have various harmful impacts ranging from environment to social and economic threats.

These consequences leads to various negative impacts from health to economic damage.

At first, climate change can cause environmental consequences. For instance, melting of glacier ice, deforestation, floods, acid rain, soil erosion, greenhouse effect. Melting of glacier ice

is one of the environmental threats caused due to climate change. It can cause various

destruction such as destroying of infrastructure, damage of lives and economic instability.

According to IPCC, Greenland lost the average of 96.8^{billion} tons of ice per year between

1993 to 2018, and Antarctica lost 17.6^{billion tons} annually. This is due

to the greater number of aerosol particles including soot which make the ice more capable for capturing sun heat.

The melting of glaciers may cause floods that disrupt the atmosphere of Earth. The

other impact is acid rain which not only affects the lives of living things but also affects on the infrastructure.

which make the people's live more difficult and produce instability in Society.

Secondly, Social threats have been impacted on environment for long time. They encompass the displacement of people from one place to another due to the natural disasters caused by human activities. Social threats include health crises, social isolation, migration of people, infrastructure destruction.

The Floods cause many social impacts on environment. For instance, the floods of 2022 in Pakistan, made the

displacement of approximately 30 million people which cause various disruption in people's life. The floods, one of the environmental consequences may cause various health crises.

For example dengue and malaria due to polluted water spread over all areas. Infrastructure damage has affected the social life of all humans as it can cause the deficiency in education because of lack of educational institutions.

Furthermore, it may lead to social isolation because of disturbance in environmental activities.

Finally, these all consequences end on economic impact. However, the social threat, health crises, environmental disruptions made the economy of the country unstable leads to poverty, lack of jobs, inflation, deficiency in resources and more consequences. In the floods of 2022 in Pakistan,

the wide range of displacement results in economic instability which caused poverty and inflation highly on affected areas. WHO estimated that the disasters or the environmental damages may cause \$3 million expenditure for recovering.

Economic instability causes the depletion in resources may cause more poverty of people and it is a reason behind the inflation in the country.

Economic instability plays a crucial role in underdevelopment of a country because developing countries face the problem of

economic decline while developed countries are progressed country because of stable economy.

Therefore, to make sustainable environment, a country should take proper measures to overcome the issues of climate change.

Various strategies are used for developing an environment sustainable such as;

Afforestation and reforestation in desertification transitioning into renewable energy resources and agricultural diversity. Firstly, afforestation and reforestation can be built in order to reverse the effect of Deforestation. These

strategies made the green areas in urbanization so that the green house gases can be reabsorbed by plants and the atmosphere will reduce the global warming.

Secondly, transitioning of fossil fuels into renewable energy resources. These will be less costly than fossil-fuels and are replenished and never ended.

The main advantage of renewable energy resources are free from harmful gases and can be

in reducing climate change. Finally, agricultural diversity including crops rotation, using of diverse crops, natural fertilizers can help in reducing climate change because these help in reducing the emission of harmful gases and prevent the use of chemicals. These all are strategies that can be followed to get a sustainable environment.

In conclusion, there are many causes of climate change which lead to various consequences that not only affect non living components of environment but also affect the living components of environment. Government should follow the strategies for creating sustainable environment and reducing negative impacts. However, it will be helpful for present people but also for future ones. As famous saying is:

"It was not raining when Noah built an arch."

It means that every nation should prepare for all these

consequences before waiting
for the effect. Because
climate change is an
crucial issue for the whole
world because if one would
do activities which enhances
the alterations in climate but
the whole world have to
suffer for these consequences.

Avoid grammatical errors

Improve your body paragraph

Substantiate your argument with
evidence s