

Climate Change: Causes, Effects, Challenges

Outline

1. Introduction

Thesis Statement:

Climate change is a drastic process caused by the burning of fossil fuels, agriculture and deforestation, and changes in land use, directly or indirectly by human activities. Climate change has unprecedented impacts on global climate system, life and the society in general and humans in particular. Urgent action is needed to mitigate additional emissions, reduce greenhouse gases, reforestation and afforestation and to adapt to the current and future effects of climate change.

2- Crunch paragraph

3- Causes of Climate Change

a. The burning of fossil fuels has caused climate change.

Case Study: US, China and India

b. Agriculture and Deforestation

Case Study: Deforestation in Brazil

C- The changes in land use lead to increasing global temperatures.

Case study: ↑ ^{The} East European carbon sink

4. Effects of Climate Change

a. Climate Change threatens life.

b. People exposed to natural disasters caused by climate change, can suffer from post-traumatic stress disorders.

c. Floods, droughts and wildfires result in destruction of homes and displacement of people.

d. Climate change is affecting the quality and quantity of water resources.

5. Challenges posed by Climate Change

a. People in developing nations including coastal countries and small islands suffer from climate change.

b. Communities suffering from environmental racism

c. x (Marginalized communities in Bangladesh)
Marginalized women and girls face more climate change challenges.

d. Children are at risk

6- Way Forward to mitigate climate change

- a- Climate justice is needed to highlight just implications and policies.
- b- Rapid transition from a fossil fuel based energy system to a renewable energy infrastructure is mandatory to reduce worldwide GHG's emissions.
- c- Work together to fairly share the burden of climate change.
- d- Safeguard the rights of those who displaced or at risk of displacement.
- e- Need to apply international efforts such as Paris Accord (2015) in letter and spirit followed by political priorities.

Conclusion:

"We are the first generation to feel the effect of climate change and the last generation who can do something about it."
Barack Obama, former US President

(4)

Introduction:

"One can see from space how the human race has changed the Earth. Nearly all of the available land has been cleared of forest and is now used for agriculture or urban development. The polar icecaps are shrinking and the desert areas are increasing. At night, the Earth is no longer dark, but large areas are lit up. All of this is evidence that human exploitation of the planet is reaching a critical limit. But human demands and expectations are ever-increasing. We cannot continue to pollute the atmosphere, poison the ocean and exhaust the land. There isn't any more available." (Stephen Hawking, Physicist & Author). From this deep observation of Stephen Hawking, humans, like world leaders, opinion leaders, stateholders and industrialists must take warning and gear up to reduce the temperature of earth below 1.5°C to pre-industrial level for the survival of already suffering humanity.