

# Climate Change : Causes and Consequences

## Outline.

### 1) Introduction

a) Hook

b) Background

c) Thesis: Although, climate change has been part of nature's cycle for millennia, but due to human activities such as: air pollution, water pollution and deforestation, climate change is now on a fast track. Moreover, humans have not united themselves against climate change.

2) Natural causes :- Knowing the fact, climate change is causing extreme weather events, extreme heat and global water crisis.

• Volcanic eruptions

• Weather events

• Droughts and desertification.

### 3) Anthropogenic causes climate change

#### 3.1 Pollution

##### a) Air pollution

• Rise in air pollution since industrial revolution

• Rise of methane air pollution due to cows

• Rise in the number of gasoline engines/diesel engines.

##### b) Water pollution

• Pollution of oceans due to oil spillages

• Industrial waste flowing into rivers

• Increasing plastic particles in the ocean.

#### 3.2 Deforestation

• Increasing CO<sub>x</sub> particles in air

• Desertification due to deforestation

Need explanatory phrases



## 4 Consequences

### 4.1 Extreme weather events.

### 3.3 Climate diplomacy.

#### a) Regional disparities and International relations

- Regional disparities among nations

↳ e.g. South Asian countries and Nile basin.

- Failure of Kyoto Protocol.

- Diplomacy in full swing in all <sup>climate change related</sup> meetings from Earth Summit in Rio 1992 to Paris agreement 2015.

## 4 Consequences.

### 4.1 Extreme weather events.

- Monsoon havoc in South Asia

↳ Monsoon 33% more intense

(Reported by Intergovernmental Panel on climate change assessment)

- Increasing number of tsunamis in Arabian Sea.

- Torrential downpours in China.

- Acid rains → case study Black Triangle Forest.

### 4.2 Extreme heat.

- Global warming

- Hojj 2011 and climate attribution.

- Melting glaciers in GB and R.P.

- Heat waves in Karachi (2015)



### 4.3 Global water crisis.

- Decreasing snow levels on mountains.

↳ Reported by international centre for integrated mountains.

- Intoxicating oceans due to rise in  $CO_x$  gases.

↳ Case by small island states in MLOs.

- Intoxicating of Fresh water.

### 4.4 Toxic Air

- Decreasing number of birds species.

### 5) Renewable way forward.

- Renewable energy resources.

• To save humanity all countries must unite themselves against climate change.

### 6) Conclusion.



## The Essay.

According to ~~the~~ World Meteorological Organization (WMO),

2023 was the hottest year on record from 2015 to 2023.

Moreover, sea level has increased with a rate of 4.7mm per year between 2014 to 2023. Planet Earth has

maintained a system through which it allows energy and matter to flow through the system, enabling life to sustain. However, ~~with increasing human population and man made structure.~~ This system is called as eco-system.

However, with increasing human population and man made structure, the complex system, designed by nature,

is disturbed. Such disturbance has led towards the climate change. Although, ~~climate~~ climate change has been part of nature's cycle for millenia, but due to human

activities such as: air pollution, water pollution and deforestation, climate is now on a fast track. Moreover,

humans have not united themselves against the abnormal change.

Without knowing the fact, climate<sup>change</sup> is causing extreme weather events, extreme heat and global ~~water~~ crisis.

→ Structure of Intro