

# Climate Change: Causes and Consequences

## Outline

### I. Introduction

1. Hook

2. Background

3. **Thesis Statement:** Climate Change, mainly caused by natural activities, burning of fossil fuels, industrial emissions, agricultural practices and population growth, and result in far-reaching global warming, destruction of infrastructure, extreme weather events, Social consequences.

### II. Causes OF Climate Change

#### 1. **Natural Causes**

i) Volcanic Activity

ii) Solar radiation variations

#### 2. **Burning Of Fossil Fuels**

i) Carbon dioxide emissions

### 3. Industrial Emissions

- i) Emission of methane and other gases

### 4. Agricultural Practices

- i) Excessive use of Chemical fertilizers

### 5. Population Growth

- i) Increased energy demand
- ii) Vehicular pollution
- iii) Increased in Urbanization

## III. Consequences of Climate Change

### 1. Rising Global Temperature

- i) Heatwaves and Changing Climate patterns
- ii) Melting of Glaciers - Cause rising Sea-level

### 2. Destruction OF Infrastructure

- i) Taj Mahal - discoloration due to climate change
- ii) Damage physical structure of roads, bridges and houses

### 3. Extreme Weather Events

- i) Floods, Cyclons and Wildfires

#### 4. Social Consequences

- a. Increasing food scarcity
- b. Water scarcity
- c. Health hazards

#### IV. Case Study: Impact on Pakistan

- Glacial melting and water insecurity
- Frequent floods
- Threat to agriculture and economy

#### V. Recommendations

- Renewable energy transition
- Water management
- Climate resilient agriculture
- Global Climate Cooperation

#### VI. Conclusion

### Essay

"Climate Change is a fact.

Its consequences, damage and costs are already being felt

around the globe."

(Heniz Fischer)

Climate Change has emerged as one of the most pressing global challenges of the 21<sup>st</sup> century. It refers to long term changes in temperature, precipitation and other climatic patterns. It is neither a new issue, nor is it a fully settled one. Developed countries are dealing with it successfully, whereas developing countries are still struggling. Unfortunately, Pakistan is also one of them. The main causes behind the climate changes are natural activities, burning of fossil fuels, industrial emissions, agriculture sector and population growth. These causes are not descended from heaven. They are man made and only strong will and determination is needed to address the issue of climate change globally.