

Climate Change: Causes and Consequences

Outline

I. Introduction

1. Hook

2. Background

3. **Thesis Statement:** Climate

change, mainly caused by natural, human-induced, economical activities, population growth and weak governance, and result in far-reaching environmental, economical and social consequences.

II. Causes of Climate Change

1. **Natural Causes**

a. Volcanic activities

b. Solar radiation variations

c. Change in Natural Climate Cycles

2. **Human-Induced Causes**

a. Burning of fossil fuels

b. Land use change - loss of Carbon Sinks

c. Increase in transportation sector

3. Economical Causes

- a. Industrialization - emission of greenhouse gases
- b. Agricultural practices - Methane emission from livestock

4. Population Growth

- a. Overconsumption of natural resources
- b. Increased waste generation and poor waste management

5. Weak Governance

- a. Poor implementation of climate policies
- b. Lack of international compliance

III. Consequences Of Climate Change

1. Environmental Consequences

- a. Rise in global temperature
- b. Sea-level rise
- c. Biodiversity loss
- d. Changing in weather patterns:
floods, cyclons and droughts

3. Economical Causes

- a. Industrialization - emission of greenhouse gases
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III. Consequences Of Climate Change

1. Environmental Consequences

- a. Rise in global temperature
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floods, cyclons and droughts

2. Economical Consequences

- a. Agricultural decline
- b. Infrastructure damage

3. Social Consequences

- a. Food insecurity
- b. Water insecurity
- c. Health hazards

IV. Impact on Pakistan

- Glacial melting in northern areas
- Frequent floods and prolonged droughts
- Water and energy insecurity

V. Way Forward

- Shift to renewable energy
- Climate resilient agriculture
- Reforestation
- Effective Climate Governance and global cooperation

VI. Conclusion

Essay

"Climate change is the defining crisis of our time and it is happening faster than we are prepared to respond," warns the United Nations.

Climate change has emerged as one of the most pressing global challenges of the 21st century. It refers to long term changes in temperature, precipitation and other climatic patterns. Climate change mainly caused by natural activities like volcanic eruption, solar radiation variations, changing in natural climate cycles, It primarily caused by human activities as burning of fossil fuels, deforestation for agriculture and transportation sector.

It can be caused by population growth and due to weak governance. As a result, climate change caused to increase in global temperature, changing of weather patterns, agricultural decline, food insecurity, water scarcity and health hazards consequences. Therefore,

this essay will discuss how climate change caused by natural, human, economical activities, population growth and weak governance, and its environmental, economical, and social consequences.

To begin with, climate change caused by natural activities such as volcanic eruptions. It alters the climate by injecting sulfur dioxide which forms reflective aerosols (causing cooling) and greenhouse gases (like CO_2) into the atmosphere which cause warming in atmosphere. Climate change further caused by solar radiation variations which is natural phenomena. Another natural phenomena that caused climate change is change in natural climate cycles like El Nino and La Nina influencing global weather patterns. It alters the ocean temperatures and winds, causing predictable shifts like droughts or floods. Hence, natural process takes part in climate change.