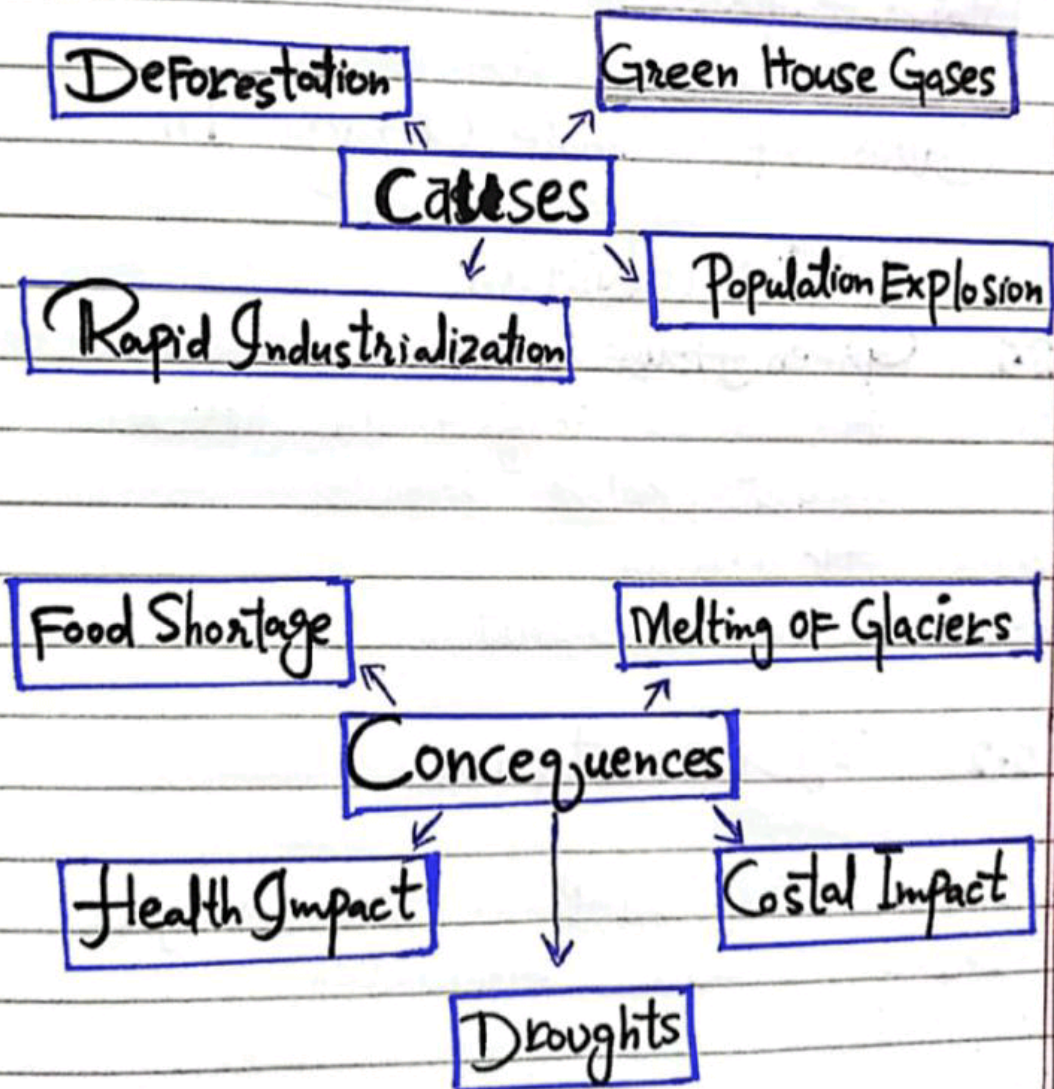


Climate Change In Pakistan

Causes and Consequences

Brainstorm

Climate Change in Pakistan



Outline

1. Introduction

- 1.1. Hook
- 1.2. General Statement
- 1.3. Thesis Statement

2. Main Body

A. Causes of Climate Change In Pakistan

2.1 Green House Gases

- 2.1.1 Burning of Fossil Fuels release Various Pollutants.
- 2.1.2 Acid Rain
- 2.1.3 Ocean Acidification

2.2 Deforestation

- 2.2.1. Disruption of water Cycle
- 2.2.2. Soil degradation

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2.3

Rapid Industrialization

2.3.1

Inadequate waste management

2.3.2

Industrial Agriculture

2.3.3

Industrial Process

2.4

Population Explosion

2.4.1

Urbanization And Infrastructure

2.4.2

Increased Resource Demand

2.4.3

Loss of biodiversity and
Ecosystem disruption

(B) Consequences Of Climate

Change in Pakistan

2.1

Melting of Glaciers

2.1.1

Sea-level rise

2.1.2

Water Scarcity

2.1.3

Increased Risk of natural
disasters.

2.2

Food Shortage

2.2.1

Malnutrition and Hunger

2.2.2

Food insecurity

2.2.3

Increased Mortality

2.3 Droughts

- 2.3.1 Agriculture losses
- 2.3.2 water conflicts

2.4 Health Impact

- 2.4.1 water Borne Disease
- 2.4.2 Psychological impact
- 2.4.3 Respiratory Problems

2.5 Costal Impact

- 2.5.1 Flooding and Inundation
- 2.5.2 Erosion and loss of Land
- 2.5.3 Economic losses

(c) Conclusion

- 3.1 Thesis restarted, Summary of Ideas Presented
- 3.2 Concluding thoughts

The Essay

"Allah's Creation of the universe and natural world in Perfect balance". Climate Change refers to long-term shifts in temperature and weather patterns, both natural and caused by human activities. Pakistan is facing a big problem because of Climate Change. The country is very vulnerable to Climate Change. Between 1999 and 2018, Pakistan was ranked 5th in the world for being affected by extreme weather caused by Climate Change.

The causes for Climate Change are many. They can be grouped into astronomical and terrestrial causes.

The astronomical causes are the changes in Solar output associated with

Sunspot activities. The terrestrial causes are those that are caused by human activities. There are many

terrestrial causes that affect in Climate Change like burning of fossil fuels, Deforestation, Rapid Industrialization, Air pollutants,

Disruption of water cycle, Climate Change is happening because of human activities like burning fossil fuels, Such as Coal and oil. This releases bad gases into the air and causes the earth to get warmer. Industries like manufacturing, mining, and construction also release bad gases that contribute to Climate Change. The Greenhouse effect is a natural process where certain gases in the atmosphere trap heat, warming the Earth's surface and making it habitable. Greenhouse gases in the atmosphere, such as water vapor, Carbon dioxide, methane, and nitrous oxide, absorb infrared radiation. Acid rain is not a direct cause of Climate Change, but both are caused by human activities and exacerbate each other. Acid rain can weaken forests and make them more vulnerable to other Climate Change impacts like drought. Climate Change can cause many problems like soil degradation, air pollution and water scarcity. Pakistan often faces

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natural disasters like Cyclone, Floods, Droughts and earthquakes. These disasters can cause a lot of damage and hurt many peoples. In 2022, Pakistan had very bad Floods that affected over 30 million people. many people lost their homes, and there was a lot of damage to Building and roads. Pakistan is facing a big Problem with water. The Country does not have enough water for its people, farms and industries. Climate Change is making this Problem even worse. This can affect Agriculture, drinking water and energy generation. According to report by world Bank, Pakistan is one of the most Stressed water Stressed Country in the world, and the rapid melting of glaciers is exacerbating this issue. The 2022 Pakistan Floods mainly Caused by increase Precipitation and melting glaciers Fueled by Climate Change, destroyed around 50% of Crops of Pakistan which can lead to Food Shortage, Droughts Severly affect Crop yields, particularly of Staple Crops like wheat and

Sugar cane, leading to potential food insecurity and economic losses. Climate Change significantly impacts health. Rising temperature leads to Heat Stroke and Health exhaustion, while altered Precipitation Patterns increase risk of water borne disease and Vector-borne disease like dengue, malaria and Cholera. Climate change is causing significant Coastal impacts in Pakistan, primarily due to rising Sea levels, increased ocean, increased Ocean temperatures, and more frequent and extreme weather events.

These changes threaten coastal ecosystems like livelihoods and the infrastructure of Coastal Communities.