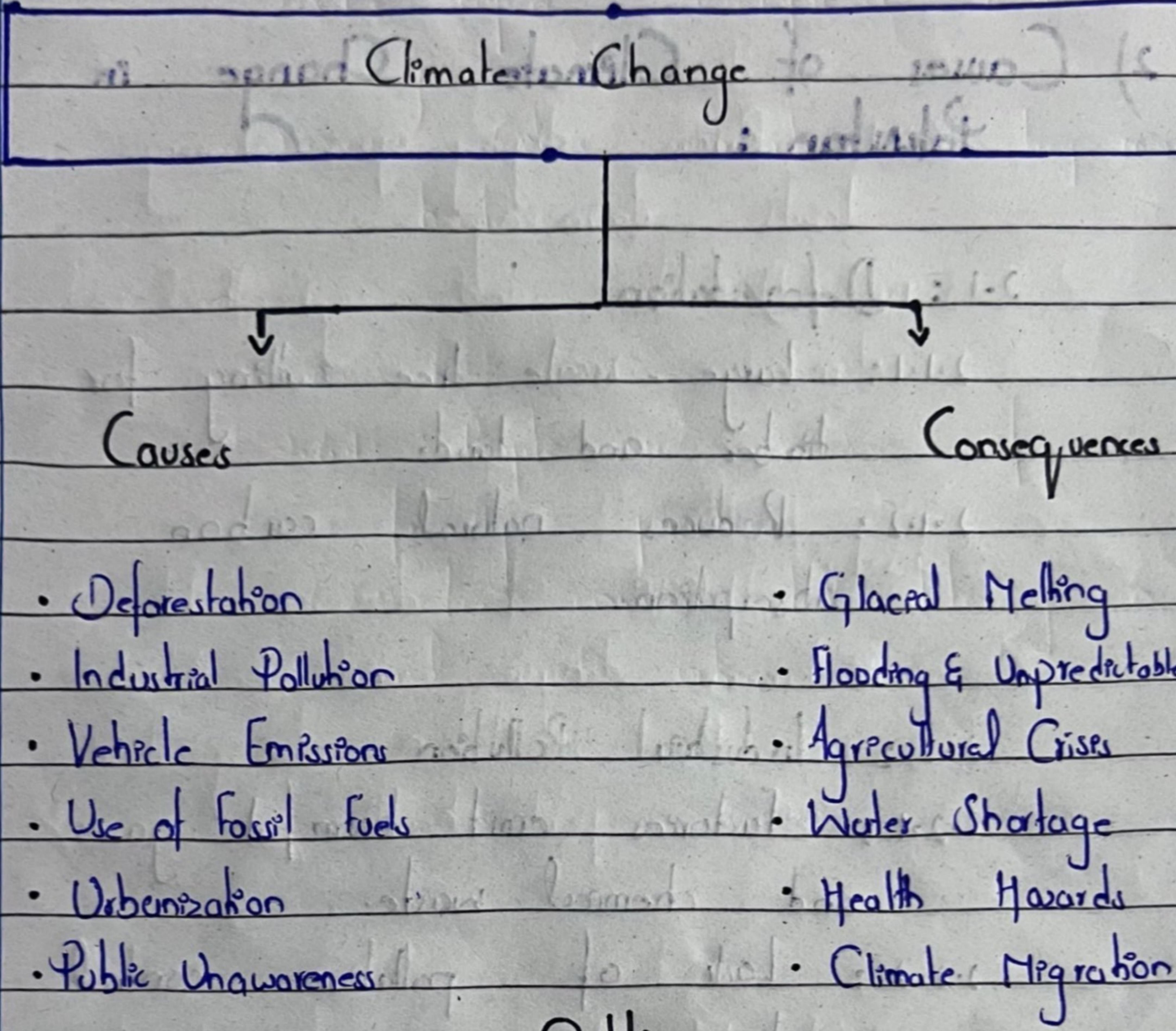


# "Climate Change in Pakistan: Causes & Consequences"

## Brainstorming



## Outlines

### 1. Introduction

#### 1.1: Hook

#### 1.2: Building Statement

#### 1.3: Thesis Statement

"Climate Change in Pakistan is driven by human activities such as deforestation, industrial emissions, and urbanization and it has resulted in severe consequences including extreme

wheather events, water shortages and widespread displacement. Immediate action is crucial to prevent further environmental and social catastrophe."

## 2) Causes of Climate Change in Pakistan:

### 2.1: Deforestation.

2.1.1: Large-scale tree cutting for timber and land.

2.1.2: Reduces natural carbon absorption.

### 2.2: Industrial Pollution

2.2.1: Factories emit harmful gases and chemical waste.

2.2.2: Lack of pollution control systems.

### 2.3: Vehicle Emissions

2.3.1: Increasing number of vehicles, especially older models.

2.3.2: Major contributor to air pollution and green house gases.

### 2.4: Use of fossil fuels

2.4.1: Pakistan relies on coal, oil and gas for energy.

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1.4.2: Minimal use of renewable energy sources.

2.5: Urbanization

2.5.1: Rapid development reduces green areas.

2.5.2: Cities absorb and trap more heat.

2.6: Public awareness

2.6.1: People are unaware of eco-friendly practices.

2.6.2: Low environmental literacy in rural and urban areas.

3) Consequences of Climate Change in Pakistan:

3.1: Glacial Melting

3.1.1: Northern glaciers are shrinking.

3.1.2: Risk of flooding increasing in downstream areas.

3.2: Flooding & Unpredictable Rainfall

3.2.1: Monsoon patterns have become more extreme.

3.2.2: 2022 floods displaced millions and caused huge damage.

### 3.3 : Agricultural Crises

3.3.1 : Food insecurity increases.

3.3.2 : Decline in crop yields due to weather changes.

### 3.4 : Water Shortage

3.4.1 : Rivers drying up ; storage levels decreasing.

3.4.2 : Domestic and agricultural water demand.

### 3.5 : Health Hazards

3.5.1 : Spread of diseases like malaria, dengue and heatstroke.

3.5.2 : Poor sanitation during floods worsens public health.

### 3.6 : Climate Migration

3.6.1 : More People are forced to leave homes due to climate disasters.

3.6.2 : Increase urban poverty and overcrowding.

## 4) Conclusion :

4.1 : Restate the severity of the issue

4.2 : Emphasize the urgency for action

4.3 : Call for responsibility for government & citizens.

## The Essay

Climate Change has emerged as one of the most pressing global challenges of the 21st century, and Pakistan stands among the countries most vulnerable to its devastating effects. From the melting glaciers of the north to the flooded plains of the south, the signs of environmental instability are becoming more visible each year.

In recent years, record-breaking heat waves in cities such as Karachi and Jacobabad, coupled with catastrophic floods in 2022 that displaced over 33 million people and decimated crops, have underscored the human and economic toll of environmental instability.

This growing crisis is fueled by a combination of human-induced factors, including rampant deforestation to accommodate urban expansion, unchecked industrial pollution from rapidly proliferating manufacturing hubs, excessive reliance on coal and oil of power generation and the proliferation of poorly regulated transportation networks.

Weak enforcement of environmental regulations and limited public awareness have further exacerbated these pressures. The ramifications are widespread: extreme weather events disrupt agricultural cycles, intensify food and water insecurity, exacerbate public health risks such as vector-borne disease and heat stroke, and cause internal displacement that strains urban infrastructures.

Against this backdrop, Pakistan's development prospects and social cohesion are under grave threat. This essay will examine the primary anthropogenic causes driving climate change in Pakistan, analyze the multifaceted consequences unfolding across environmental, economic, and social domains, and argue for urgent, coordinated mitigation and adaptation strategies to safeguard the nation's future.