

BRAINSTORM

climate change → origin

global phenomenon

causes / effects

• Greenhouse emissions increase

• Global warming

• Kyoto Protocol

Paris Agreement

① fossil fuels burning (cause)

② Rapid industrialization (cause)

③ water logging (consequence)

④ Heavy rainfalls (consequence)

⑤ Endangers wildlife (consequence)

⑥ Decrease in agricultural production (consequence)

⑦ Construction / buildings (cause)

⑧ Air pollution → Smoke from automobiles (consequence)

⑨ Deforestation → Decrease in Carbon sinks (cause)

⑩ Air borne diseases - Respiratory (consequence)

⑪ Waterborne diseases (consequence)

⑫ Increasing sea level - Tsunami / floods (consequence)

⑬ Wild fire risks (consequence)

⑭ Transportation (cause)

• Pakistan's National Climate Change Policy

OUTLINE

1. Introduction
2. Background of Climate change
3. Causes of climate change in Pakistan
 - a. Natural causes of climate change
 - b. man made causes of climate change
 - (i) Burning of fossil fuels
 - (ii) Industrialization
 - (iii) Transportation
 - (iv) Deforestation
 - (v) Buildings and construction
 - (vi) Unsustainable agricultural practices.
4. Consequences of Climate change in Pakistan
 - a. Temperature increase and extreme weather events
 - (i) melting glaciers
 - (ii) Heat wave crisis
 - (iii) Impact on low income urban communities.
 - b. Increase in air pollution
 - (i) Smog in Lahore and Karachi
 - (ii) Respiratory diseases
 - c. Increase in the level of precipitation
 - (i) Risk of flooding (2010 and 2022 floods)

- (ii) Increase risk of landsliding
- (iii) water logging
- (iv) waterborne diseases

d. Erosion of infrastructure due to Aridrain

e. wildfire risks

f. Loss of wildlife species

(i) Snow Leopard

(ii) Indus River Dolphin

(iii) Houbara Bustard

(iv) markhor

g. Conclusion -

Introduction

"We are the first generation to feel the impact of climate change and the last generation that can do something about it.

Banki moon. "Climate change is a global crisis which has altered the earth's atmosphere and ecosystem. Natural and human activities are both responsible for climate change. However, the increase in the level of CO₂ and other green house gases is primarily attributed to human activities. Climate change poses a significant threat

to Pakistan due to varied geography and socioeconomic conditions. The various causes responsible for climate change in Pakistan are burning of fossil fuels, industrialization, transportation, construction and deforestation. Eventually, it causes an increase in global warming, pollution, precipitation, sea level and extreme weather events. Additionally, it impacts the life of people and wild species. If effective solutions are not implemented to address the causes of climate change in Pakistan, the nation will face further detrimental consequences.