

DATE: ___/___/___

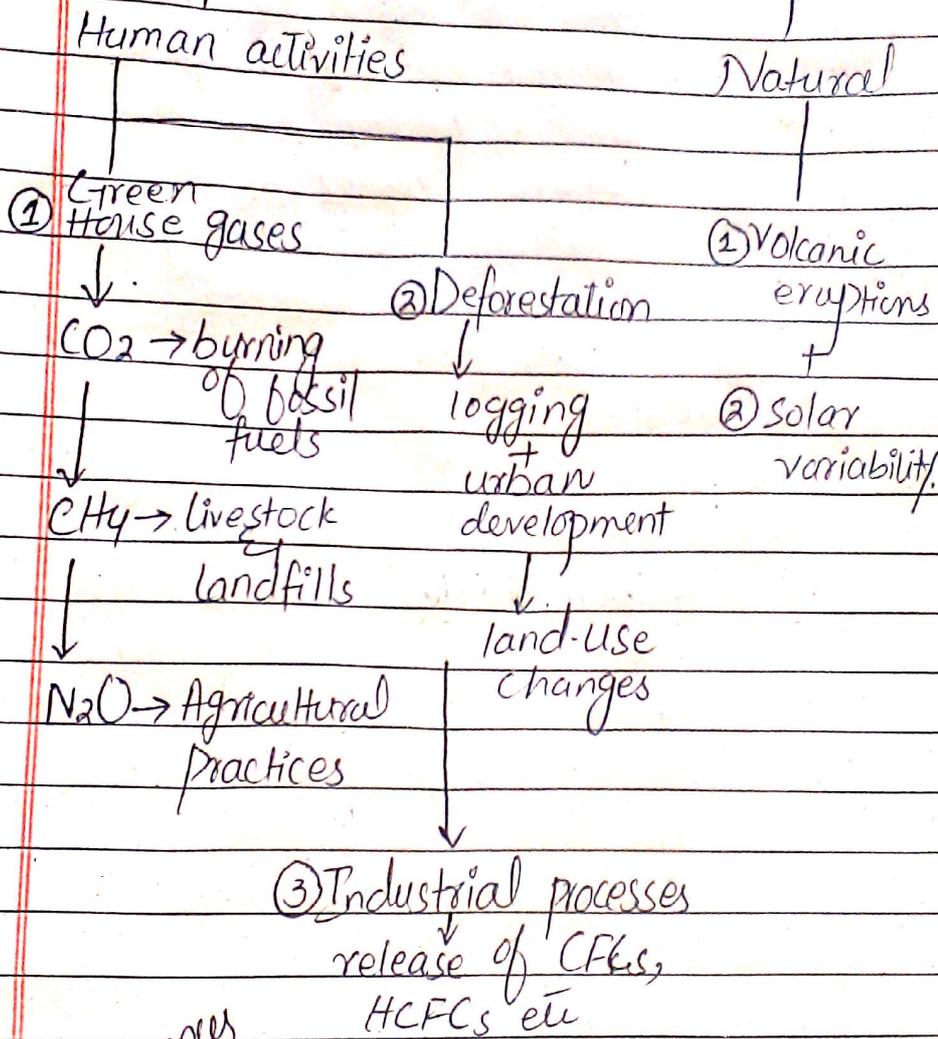
DAY: ___/___/___

Climate change: Causes and consequences

Brainstorm

Climate change

Causes



Consequences

- ① Environmental
 - ↑ temp
 - global boiling
 - floods/landslides
- ② Ecological
 - disturbed ecosystems
 - climate refugees
- ③ Societal
 - threat to food security
 - health

Outline

1. Introduction

1.1 Hook

1.2 Background

1.3 Thesis Statement: Climate change is primarily caused by human activities, with minor natural contributions, and its consequences are severe globally and particularly devastating for vulnerable countries like Pakistan.

2. Causes of Climate change

2.1 Human causes

2.1.1 Green House gas emissions

carbon dioxide Nitrous oxide

Methane Hydrocarbons

chlorofluo carbons etc.

Burning of fossil fuels

live stock and landfills

Agricultural practices

2.1.2 Deforestation

logging

urban development

agriculture

2.1.3 Industrial processes

pollution

2.2 Natural causes

i-volcanic eruptions

ii-solar variability

3. Consequences

3.1 Environmental degradation

- i- rising temperature and heat waves
- ii- melting ice caps/glaciers
- iii- rising sea levels
- iv- changed patterns of rain
- v- floods, landslides
- vi- extreme weather events
- vii- Global Boiling.

3.2 Ecological problems

- i- disturbed ecosystems
- ii- loss of biodiversity
- iii- migration and extinction of species.

3.3 Societal problems

- i- threat to food security and agriculture
- ii- human health problems (physical and psychological)
- iii- Climate refugees.

4. Solutions

- i → use of reversible energy sources.
- ii → green economy
- iii → practicalizing green revolution.

5. Conclusion.

Essay

A century ago the weather used to ask politely before changing, now it seems to have mood swings because humans have exploited earth as a giant lab where they are conducting experiments that resulted in horrible consequences like climate change, which basically refers to the long-term change of earth's weather patterns. It was once a slow and natural process but now accelerated due to reckless human activities such as increased amounts of green-house gas emissions, rapid deforestation and uncontrolled industrial processes. While natural factors do influence the climate, their impact is far smaller than the damage caused by human greed and overconsumption. The consequences are visible everywhere - rising temperatures, melting glaciers, environmental, ecological and societal degradation. Climate change will not be solved merely by labeling it as an emergency at international forums but by taking practical and effective steps before we end our earth.