

Brain Storm

climate change - causes & consequences

global warming

natural

air pollution

- volcanic eruption

- Environmental

deforestation

- Sun

• global warming

industrialization

- Greenhouse gases

• melting of glaciers

urbanization

Anthropogenic

• rising sea level

health impacts

- Burning of fossil fuels

• extreme weather

ozone layer depletion

- deforestation

• ocean acidification

water pollution

- Agriculture

• Biodiversity loss

- Industrialization

- Socio Economic

- Urbanization

- agricultural

- water scarcity

- migration &

displacement

- Economic loss

- Health impact

Climate Change - Causes & Consequences

I. Introduction

- a. hook
- b. Supporting sentences
- c. Thesis statement

II. Causes of climate change

A. Anthropogenic (Human) Causes

1. Burning of fossil fuels
2. Deforestation
3. Agricultural fertilizers
4. Industrial Processes
5. Urbanization and Land Use Change

B. Natural Causes

1. Solar Radiations
2. Volcanic Activity
3. Oceans currents
4. Orbital changes

III - Consequences of climate change

A. Environmental Impact

1. Global warming
2. Melting Polar Ice and Glaciers
3. Sea-level Rise
4. Ocean Acidification

5. Loss of Biodiversity

B. Social and Economic Impact

1. Agricultural Disruption

2. Water Scarcity

3. Health Risks

4. Migration and displacement

5. Economic Costs

C. Political and Geopolitical Impact

1. Climate Refugees

2. Resource Conflicts

3. Global efforts for mitigation.

IV- Conclusion

In 2021, the Pacific Northwest of the United States and Canada experienced an unprecedented heatwave, with temperatures soaring above 41°C , causing widespread wildfires and hundreds of deaths. This extreme weather event, along with numerous others like severe flooding in Europe and melting of Arctic ice, exemplifies the growing threat of climate change. The gradual warming of our planet has brought a cascade of consequences that threaten ecosystems, economies and human livelihoods. Although, natural processes contribute to shifts in the Earth's climate, the drastic and abrupt change is primarily driven by human activities such as burning of fossil fuels, deforestation, and industrial processes. Climate change is causing global temperatures to rise, triggering devastating consequences for ecosystems, economies, and communities worldwide. Understanding the causes and consequences of climate change is crucial for taking effective action to mitigate its impacts and ensure a sustainable future for all.