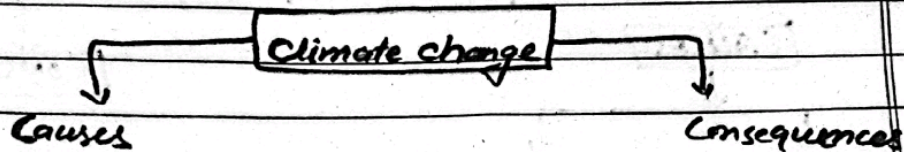


DATE / /

Topic

^{in presentation}
Climate change: Causes and Consequences.

Brainstorm



- | | |
|-----------------------------|--------------------------------|
| (1) Natural Causes | (2) Environmental Consequences |
| (2) Human-driven Causes | (2) Social Consequences |
| (3) Greenhouse Gas Emission | (3) Economic Consequences |
| (4) Deforestation | (4) Humanitarian Consequences |
| (5) Industrial Agriculture | (5) Conflict and Instability |
| (6) Industrial process | |
| (7) Transportation | |
| (8) Energy Production | |

Avoid grammatical errors mainly
sub -verb agreement mistakes

Avoid cutting

Work on your articulation of ideas

Your outline points are okay but
work on your introduction

Intro para is too short

Properly integrate hook with the
rest of par

Inculcate thesis statement in your
intro para

DATE: ___/___/___

Outline

1. Introduction

2.1. Hook: "The earth has enough resources for everyone's need, but not enough for everyone's greed."

Mahatma
Gandhi

2.2. Background

2.3. Thesis Statement: Human-induced climate change, primarily caused by greenhouse gas emissions from fossil fuel burning and deforestation, is having far-reaching consequences, including rising sea levels, more extreme weather events and loss of biodiversity.

(2) Causes of Climate Change:

2.1. Natural causes:

2.1.1. Volcanic Eruptions

2.1.2. Changes in Earth's orbit

2.1.3. Solar Radiation.

2.2. Human-driven causes

2.2.1. Greenhouse gas Emissions

2.2.2. CO₂ from fossil fuels

combustion, deforestation, industrial processes.

2.2.3. Methane from agriculture,

landfill and natural gas system.

2.2.4. Nitrous Oxide from agriculture
industrial processes and fossil fuel
combustion.

2.3 Deforestation and Land Use Changes:

2.3.2. Clearing forests for agriculture
urbanization, and logging

2.3.2. Reduction in Carbon Sink
and biodiversity.

2.4. Industrial Process:

2.4.1. Release of fluorinated gases
and other potent greenhouse
gases.

2.4.2. Emissions from cement production
and industrial activities.

2.5. Transportation:

2.5.2. Emissions from vehicles, ships,
airplanes, burning fossil fuels.

2.5.2. Contribution to CO₂ and other
greenhouse gases emissions.

2.6. Agriculture:

2.6.2. livestock production contributing
to methane emissions.

2.6.2. Use of chemical fertilizers
contributing to N₂O emissions.

(3) Consequences:

3.2 Environmental Consequences:

3.2 Rising Sea levels:

3.2.1. Coastal erosion and flooding

3.2.2. Saltwater intrusion into
Fresh water Sources.

3.2.3. Loss of coastal ecosystem
and habitats.

3.2. Extreme weather Events:

3.2.1. Loss of biodiversity

3.2.2. Disrupted water cycle.

~~3.2.3.~~

3.3. Social Consequences:

3.3.1. Displacement and migration

3.3.2. Food insecurity

3.3.3. Health Impacts

3.3.4. Economic losses.

3.4. Economic Consequences:

3.4.1. Loss of Infrastructure

3.4.2. Impacts on Industries

3.4.3. Increased Health costs

3.4.4. Loss of productivity.

3.5. Humanitarian Consequences:

3.5.1. Vulnerable Populations

3.5.2. Human Rights

3.5.3. Conflict and Instability
(among States)

(4) Solutions

4.2. Sectoral Solutions:

4.1.1. Agriculture, ^{Forestry} and other Land Uses.

4.1.2. Energy systems transition to renewable energy sources.

4.1.3. Industry: Electricity production processes, adopt new fuels and develop innovation in high-emission sectors.

4.1.4. Transport: switch to electric vehicles - promote public transit.

4.2. Technological Solutions:

4.2.1. Renewable energy

4.2.2. Electric Vehicles

4.2.3. Smart Grids.

4.2.4. Carbon capture and storage.

4.3. Nature-based Solutions:

4.3.1. Reforestation and Afforestation

4.3.2. Ecosystem Restoration

4.3.3. Sustainable Agriculture

4.4. Government and Community Solutions:

4.4.1. Invest in Renewable Energy

4.4.2. Carbon Pricing

4.4.3. Climate Adaptation plans

4.4.4. Community Engagement.

(5) Conclusion:

5.1 Thesis restated

5.2 Concluding thoughts.

The Essay

"The earth has enough resources for everyone's need but enough for everyone's greed." - Mahatma Gandhi

The United Nations Framework Convention on Climate Change (UNFCCC) defines climate change as "a change of climate which is attributed directly or indirectly to human activity that alters the composition of the global atmosphere and which is in addition to natural climate variability observed over comparable time periods."

Geological records stretch stretching back millions of years indicate some large variations in climate.

These have been caused by many natural factors, including the changes in the sun, volcanoes, earth's orbit and CO₂ levels. There is growing global ~~unanimous~~ consensus that climate change is ~~humanity's greatest~~ threat in modern times and is likely to have profound consequences for socio-economic sectors such as health, food production, energy, agriculture and security and natural resource management.