

M T W T F S

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Climate change: Causes and Consequences.

Brainstorm Climate Change

Causes

- Transportation.
- Power Generation.
- Industry and Manufacturing
- Agriculture
- Deforestation
- Buildings.

Consequences.

- High Temperature
- Severe Storms
- More Droughts
- Warm, Rising Ocean
- High Health Risk
- poverty and Displacement

Outline

1. Introduction:

1.1 Thesis Statement:

Climate Change is primarily driven by human activities such as transportation emissions, fossil-fuel based power generation, industrial pollution, intensive agriculture, and energy-inefficient buildings, which collectively contribute to catastrophic consequences like extreme heatwaves, storms, prolonged droughts, ocean warming, rising sea levels, health issues, increase poverty and the displacement of millions globally.

A.

2.6. Deforestation:

2.6.1. Clearcutting of forests.

2.6.2 Degradation of wetlands.

B. Consequences of Climate Change.

3.1 High Temperature.

3.1.1. Hot Temperature.

3.1.2 Heat Waves.

3.1.3 Wildfires

3.2. Severe Storms:

3.2.1. Destructive Storms.

3.2.2 Extreme Rainfalls and flooding

3.3. More Drought.

3.3.1. Water Scarcity

3.3.2. Agriculture Droughts affecting crops

3.3.3. Deserts Expansion.

3.4. A Warming, Rising Ocean.

3.4.1. Warm Ocean.

3.4.2 Water Expansion in ocean.

3.4.3 melting Ice Sheets

3.4.4 Acidic Ocean

3.5. Health Risk

3.5.1 Expanding Diseases.

3.5.2 Extreme Weather Events increase deaths.

2. Main Body

A Causes of Climate Change:

2.1. Transportation.

2.1.1. Public Transport

2.1.2. Burning petroleum-based fuel in Combustion Engine.

2.1.3. Freight and Commercial -(Trucks.)

2.2. Power Generation.

2.2.1. Production of power (Electricity) from Coal, Natural Gas and Fossil Fuels.

2.2.2. Less renewable energy sources

2.3. Industry and manufacturing

2.3.1. Carbon-intensive products.

2.3.2. Burning massive amount of energy.

2.3.3. Industrial pollution

2.4. Agriculture.

2.4.1. Chemical Fertilizers Use

2.4.2. Industrialized live stock production.

2.5. Buildings:

2.5.1. Heating, cooking, cooling, running appliances.

2.5.2. Growing use of Electricity and Gas.

3.6 Poverty and Displacement.

3.6.1. Displacement of people

3.6.2. Increase in poverty.

3. Conclusion:

THE ESSAY

"The Climate Crisis is not a distant threat - it is a ticking clock, and we are running out of time to act," warns a 2023 report by NASA. For decades, human activities have disrupted Earth's natural balance, leading to rising temperature, extreme weather, and irreversible ecological damage. While Climate Change is a natural process, its current pace is driven by human actions like burning fossil fuels, destroying forests, and unsustainable industrial practices. These practices/activities trap heat in the atmosphere, creating a "greenhouse effect" that warms the planet. This essay explores the key causes of climate change - transportation, deforestation, power generation, industrial and manufacturing activities, agriculture, and residential/commercial buildings - and their devastating consequences,

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increasing droughts, warming and
rising ocean, health crisis, poverty
and displacement of million.
