

Climate Change Causes and Consequences

1. Introduction

1.1. Hook

1.2. Background

1.3. Thesis statement

2. Main Body

A. Causes of Climate Change

2.1 Use of fossil fuels

2.1.1. For power generation

2.1.2. For industries

2.1.3. For transport

2.1.4. For households

2.2. Population Explosion

2.2.1. Deforestation

2.2.2. Production of food

2.2.3. Infrastructure expansion

2.2.4. Pollution

2.3. Urbanization

2.3.1 Heat absorbing material.

2.3.2 Vehicle density

2.3.3. Urban Canyon Effect

2.3.4. Turning green space
into towns

2.4. Human disasters

2.4.1. Concentration of toxic gases

2.4.2. Chlorofluorocarbon and ozone depletion

2.4.3. Nuclear radiations

2.4.4. Unfriendly energy resources

B. Consequences of Climate Change

2.1. Hotter temperature

2.1.1. Global warming

2.1.2. Urban heat islands

2.1.3. Wildfire

2.1.4. Blackouts and brownouts

2.2. Existential threats

2.2.1. More health risks

2.2.2. Risk of extinction

2.2.3. Endanger to marine life

2.2.4. Natural disasters

2.3. Poverty and Displacement

2.3.1. Threat to coastal communities

2.3.2. Malnutrition

2.3.3. Refugee crisis

2.3.4. Economic concern

2.4. Change in weather patterns

2.4.1. Rising sea level

2.4.2. Melting of polar ice

2.4.3. Unprecedented smog

2.4.4. Severe hurricanes

3. Conclusion

"Global warming is not a prediction. It is happening" (James Hansen). According to Intergovernmental panel on Climate Change (IPCC), we must reduce global greenhouse gas emissions by 45% by 2030 to limit warming to 1.5°C.

Without urgent action, the world could face catastrophic impacts, with millions displaced and ecosystems irreversibly damaged. Humanity faces many threats, but none is greater than climate change. In damaging our climate, we are becoming architects of our own destructions. We have the knowledge, the tools, and the money to solve the crisis to avoid grievous consequences of climate change. The causes of global warming include use of fossil fuels, population explosion, urbanization, and human disasters which have serious consequences comprising of hotter temperature, existential threats,

poverty and displacement, and change in weather patterns. The time for action is now; the future of our planet depends on the choices we make today.

- Effects
- Global Warming
 - Health threats
 - Urban heat Islands

