

Climate change: causes and consequences

outline

① Introduction: *Sf*

1.1. Hook

1.2. General Statements

1.3. Thesis Statement: There are two major causes of climate change: anthropogenic (human made) and Natural Factors such as ~~climate change~~ ^{global warming}, population explosion, massive Deforestation, Rapid Urbanization, Rapid Industrialization, weapons of mass deforestation, eruption of wild fire, combustion of Fossil fuel, acid rain, volcanism and plate techtonics respectively and their consequences are becoming increasingly severe with each passing day such as direct threat to life, Raise in global sea level, effects on agriculture, increasing conflicts between states, Environmental damage, Release of green house gasses in atmosphere, effect on equatic ecosystems. mitigation and adaption measure can reduce causes and consequences of climate changes

2. Main Body:

A. causes of climate change:

2.1 anthropogenic (human made) Factors/causes:

2.1.1 ~~climate change~~ global warming

2.1.2 Population Explosion

2.1.3 massive Deforestation

2.1.4 Rapid urbanization

2.1.5 weapons of mass deforestation

2.1.6 eruption of wild fire

2.1.7 combustion of fossil fuels

2.1.8 Acid Rain.

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2.2. Natural Factors/causes

2.2.1. volcanism

2.2.2. plate Tectonics

B. Consequences of climate change:

2.1 Direct threat to life

2.1.1. Extreme weather events

2.1.2. Heat related illnesses

2.1.3. Impact on food & water supply

2.2 Raise in global sea level

2.2.1. Global Ice lose

2.2.2. melting of glaciers/Ice cubes

2.2.3. Threat to coastal population

2.3 effects on agriculture

2.3.1. changes in crop yields

2.3.2. Soil health & Erosion

2.3.3. Economic impacts

2.4 increasing conflicts between states

2.4.1. opposite stance of developed & developing countries

2.4.2. distribution of shared water

2.4.3. contribution in worst climate conditions

2.5 Environmental damage

2.5.1. ocean currents and change weather systems.

2.5.2. infrastructure damage

2.5.3. Soil Degradation

2.6 Release of Green house gases:

2.6.1. Depletion of ozone layer

2.6.2 enhanced green house effect
2.6.3 causes multiple diseases.

2.7 effects on aquatic system

2.7.1 Coral Reef bleaching

2.7.2 ocean Acidification

2.7.3 impact on marine lives

2.8 C. Mitigation & Adaption Techniques.

2.1 stabilizing the levels of green House gases

2.2 increasing global Forest cover

2.3 Promotion of sustainable Transport

2.4 Promotion of sponge cities

2.5 Environmental education

2.6 implementation of Environmental commitments

2.7 Promotion of sustainable industrialization

3. conclusion:

3.1 Thesis restated, summary of ideas presented

3.1 concluding Thoughts

The Essay

"In the words of former U.S. President Barack Obama, "climate change is not a distant threat; it is reality of our times. This reality is becoming increasingly evident as we witness the profound impacts of climate change on our Planet." Just a few decades ago, discussions about climate change were largely confined to scientific circles. Today, the effects of climate change are a daily reality, with rising temperatures, extreme weather events etc. Two major causes of climate change are anthropogenic (Human made) and natural factors such as global warming, Population explosion, massive deforestation, rapid urbanization, weapons of mass destruction, eruption of wild fire combustion of fossil fuels, Acid rain, volcanism and plate tectonics respectively. The consequences of climate change are becoming increasingly severe with each passing day such as direct threat to life, Rise in global sea level, effects on agriculture, increasing conflicts between states, Environmental damage, release of green house gases in atmosphere. and effects on aquatic ecosystems. Mitigation and adaptation measures can reduce causes and consequences of climate change.