

ESSAY:

CLIMATE CHANGE: CAUSES AND CONSEQUENCES

Outline of the Essay

1. INTRODUCTION:

1.1 Hook

1.2 Background

1.3 Thesis statement: The ~~natural~~ causes

of climate change ~~are~~ are volcanic

eruptions, ~~fluctuations~~ in solar

radiation, ~~tectonic~~ ~~shifts~~ and

changes in Earth's orbit. The

anthropogenic causes ~~of~~ of climate

change are transportation, electricity

generation, ~~Industry~~ and manufacturing,

agriculture, oil and gas development,

deforestation and buildings. The

consequences of ~~climate~~ change are

evident across multiple dimensions

including food, ~~water~~, human health

infrastructure and ~~the~~ environment.

2. Understanding the key variable

2.1 What is climate change?

2.2 Climate change over the centuries

3. Causes of climate change

3.1 Natural causes

3.1.1 Volcanic eruptions

3.1.2 Fluctuations in solar radiation

3.1.3 Movement of tectonic plates

3.1.4 Changes in Earth's orbit

3.2 Anthropogenic (Human-driven) causes

3.2.1 Using Transportation

3.2.2 Industrial activities and manufacturing goods

3.2.3 Oil and gas development

3.2.4 Generating electricity

3.2.5 Cutting down forests

3.2.6 Powering buildings

3.2.7 Engaging in agricultural activities

4. Consequences of climate change

4.1 Food insecurity

4.1.1 Reduced food availability

4.1.2 Limited food accessibility

4.1.3 Inefficient food utilization

4.1.4 Instability in food supply and access

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4.2 Water crisis

4.2.1 Flooding and rising sea levels

4.2.2 Drought and wildfires

4.2.3 Water cycle disruption

4.3 Health crisis

4.3.1 Malnutrition and food-borne diseases

4.3.2 Water-borne and vector-borne diseases

4.3.3 Heat-related and respiratory illnesses

4.3.4 Zoonoses and noncommunicable diseases

4.3.5 Mental and psychosocial health

4.4 Infrastructure risks

4.4.1 Vulnerability of air and maritime infrastructure

4.4.2 Vulnerability of Road and Rail infrastructure

4.4.3 Vulnerability of energy and

Telecommunications infrastructure

4.4.4 Vulnerability of water infrastructure

4.4.5 Vulnerability of social infrastructure

4.5 Environmental degradation

4.5.1 Arctic amplification

4.5.2 Ocean acidification

4.5.3 Coral bleaching

5. Adaptation and mitigation measures

to 5.1 Adaptation strategies

5.1.1 Global Goal on Adaptation of
the Paris Agreement

5.1.2 Adaptation cycle

5.1.3 Resilient infrastructure and

early warning systems

well organized and quite relevant

5.1.4 Drought-resistant crops and

water conservation strategies

5.2 Mitigation measures

5.2.1 Protecting and restoring
ecosystems

5.2.2 Transition to renewable energy
and energy efficiency

5.2.3 Efficient transport, carbon
tax and emission markets

6. Conclusion