

Climate Change: Causes and Consequences

(Outlines)

1) Hook Statement

2) Introduction

Climate Change, one of the ~~preering~~ global issue, is driven less by natural factor and more by human-induced activities such as Greenhouse gas emissions, deforestation, forest fires, and the use of inorganic fertilizers, consequently impacting environmental, economic, health and social sectors, thereby necessitating a systemic overhaul of policies and practices.

3) Causes of Climate Change

a) Natural Drivers

- i) Solar Variability
- ii) Volcanic Eruptions
- iii) Orbital changes
- iv) Internal Climate Variability

b) Human-Induced Drivers

- i) Greenhouse Gas Emissions
- ii) Population growth and Deforestation
- iii) Forest fires and biomass depletion
- iv) ~~Use of inorganic fertilisers and pesticides~~
- v) Enteric fermentation (livestock digestion)
- vi) Energy use in agriculture and fishing
- vii) Food processing, packaging and Distribution
- viii) Transportation sector (fossil-fuel based)

ix) Energy consumption in buildings (residential and commercial)

4) Consequences of Climate Change

a) Environmental Impacts

- (i) Temperature Rise
- (ii) loss of glaciers and Polar ice
- (iii) Sea-level Rise
- (iv) Biodiversity loss
- (v) Forest degradation
- (vi) Coastal erosion and inundation
- (vii) Water cycle disruption
 - ↳ more intense floods
 - ↳ frequent and severe droughts
 - ↳ declining snowpack
 - ↳ changed river flows

b) Economic Impacts

- (i) Agriculture Disruption
- (ii) fisheries loss
- (iii) Infrastructure Damage
- (iv) Economic Inequality
- (v) Property loss
- (vi) Tourism industry affected
- (vii) energy production
- (viii) Healthcare cost
- (ix) Supply chain disruption

c) Social and Health Impacts

- (i) Food and Water Insecurity
- (ii) Climate Migration and displacement
- (iii) Human-Health Risks
 - ↳ Allergic & Cardio-vascular disorders and deaths
 - ↳ asthma

↳ Mental health consequences of social, economic and demographic dislocation.

↳ emotional stress and mental health problems in response to fear/perception of climate change

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5) Case Study of Nigeria.

6) Mitigation Strategies of Climate Change

a) Decarbonising energy systems

b) Improve energy efficiency

c) Implement sustainable practices

7) Adaptation Measures of Climate Change

a) Climate Resilient Infrastructure

b) Climate Smart Agriculture

c) Disaster Risk Reduction

8) Conclusion

