

Date

Subject

Climate Change: Causes and Consequences

Outline

1- Introduction

a) Hook

b) Back Ground: Global issue that affects the environment, temperature, and human life.

c) Thesis statement: Climate change is a major problem which is caused by deforestation, Burning of fossil fuels, urbanization, population growth and global warming. Which result in these consequences, such as; Health problems, water shortage, Rising sea level, Extreme of weather, and Problems for plants and animals.

2- Causes

A) Deforestation

a) Rapidly cutting down trees.

b) Trees absorb CO_2 and release O_2

c) Emission of greenhouse gases.

d) Infrastructure development.

B) Burning of Fossil Fuels

a) Burning coal, oil and gas

b) Gasoline consumption

c) Formation of toxic smoke

Example: In Beijing, smog is thick that people must wear masks outside.

d) Release of greenhouse gases.

C) Urbanization

- a) Higher population
- b) Methan (CH_4) emission
- c) Excessive energy use.
- d) Industrialization.

D) Population Growth

- a) water wastage
- b) Energy consumption
- c) Increasing population
- d) Better nutrition and sanitation

E) Global Warming

- a) Greenhouse effect
- b) Emission of greenhouse gases (CO_2 and CH_4)
- c) Heat trap
- d) Rise in temp
- e) Plants and animals decomposition

3- Consequences

A) Health Problems

- a) Heat strokes
- b) Spread of diseases (like asthma, heart disease, lung cancer)
- c) Malnutrition and food insecurity
- d) Old people and children suffer more.

B) Water Shortage

- a) River dry due to high temperature
- b) Lack of clean drinking water
- c) Agriculture loss

Date

Subject

d) water conflicts increases

C) Rising Sea Level

- a) Reducing freshwater sources (saltwater intrusion)
- b) Coastal cities face flooding
- c) Increase storm impact
- d) Displacement of people (climate refugees)
- e) Small islands in danger

D) Extremes of Weather

- a) Heavy rain results in floods
- b) Less rain causes droughts
- c) Melting glaciers and ice sheets
- d) Cyclones becoming strong
- e) Economic losses (loss of crops, livestock, and fisheries)
- f) Erosion or land degradation (soil is washed away)

E) Problems for Plants and Animals

- a) Forest are destroyed due to fire
- b) Animal lose homes
- c) Extinction of species
- d) Changes in Breeding patterns (Plants roots are affected)
- e) Food shortages for Animals.

3- Conclusion

- a) Thesis statement
- b) Summary