

Essay

Climate Change : Causes

1- Introduction :

Thesis statement:

It is evident that there are many causes of climate change.

2- Causes of climate change :

a) Burning of fossil fuels.

→ According to UN report, burning of fossil fuels emits 75% of greenhouse gases (GHGs)

b) Massive deforestation.

→ According to UN, each year approximately 12 million hectares forests are destroyed.

c) Over population.

→ According to UN, in 1960 population was about 3 billion,

then 6 billion in 2000 and eventually it is 8.1 billion.

d) Agricultural Waste.

→ According to a recent report of Nature food, producing food releases 33% of total GHGs.

e) Power buildings.

→ According to IEA 28% of GHGs emit from buildings operations such as cooling, heating and lightening.

f) Using transportation.

→ According to UN, transport accounts for nearly one quarter of the energy related CO₂ emission.

g) Weapons of mass destruction and warfare.

→ According to 2023 report of

CEOB5, Ukraine war (2022) accounted for emission of 100 million tons of CO_2 .

h) More GHGs sources used by elite people.

→ According to NU, the richest 1% of global population releases more GHGs than 50% of the poorest.

i) Unplanned massive urbanization

→ According to report of UN, 54% of population was urbanized till 2015; currently ~~20~~ 60%.

j) Rapid Industrialization.

→ According to ²⁰²³ ~~2021~~ report, of Global Carbon Atlas, China industrial sector emits over 10 billion tons of CO_2 .

K) Generation of Solid waste:

→ According to world bank report of world bank, 2.24 billion of solid waste produce each year.

L) Wild fires.

According to global fire emission database, 6-8 billion tons of CO_2 release every year due to wild fires.

M) Eruption of Volcanoes (Natural)

→ According to 2022 report of NASA, 20 million tons of SO_2 released due to Mount Pinatubo volcanic eruption (1991)

3) Conclusion.