

# CAUSES AND CONSEQUENCES OF CLIMATE CHANGE

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  - 2.2. Aggravated use of Industries
  - 2.3. ~~Cutting of trees~~ unhindered cutting of trees
  - 2.4. Overuse Exaggerated use of natural resources
  - 2.5. Displacement of peoples from rural to urban areas
  - 2.6. Enhanced transportation by humans.
  - 2.7. Excessive production of waste
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3. Horrific and Horrendous repercussions of climate change
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# CLIMATE CHANGE

Date: \_\_\_\_\_

## INTRODUCTION:

"Climate change is single greatest threat facing humanity, but it is also our greatest opportunity to redefine our relationship with nature"

United Nation Environment Programme (UNEP)

Climate change refers to shift in temperature and change in weather patterns. Climate change occurs naturally and by human contributions. History has shown us how our entire human civilizations vanished by unprecedented natural disasters. Climate change has impact on environment, socio-economic, socio-political and ecological disciplines of life. Scholars have mentioned it as most threatening health impact to 21<sup>st</sup> century. Climate change is natural phenomenon however humans exacerbates it by achieving comfort & luxury. Green house gases emission is major contributor to climate change by releasing CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and other gases by burning of fossil fuels (oil, gas, coal). It has been witnessed that industrial revolution doubled this process by burning fossil fuels since 1800s. Around 68% of green house gases emission is contributed by burning fossil fuels. Increased population resulted increased demand which ultimately pressure industries to

produce more leading most dreadful impact by the enhancing burning of fossil fuel. Deforestation also is one of the prevailing element in alteration of climate. As trees absorb  $\text{CO}_2$  and produce  $\text{O}_2$ , but cutting them it modify environment and can retaining  $\text{CO}_2$  in environment. Increased Increased transportation aggrandize repercussions of climate change. Other contributors are waste production, urbanization and overuse of natural resources. Climate change has far-reaching ramification on living beings. It is considered threat to life. Around 1000 <sup>times</sup> species of world is losing species at rate of 100times greater than any other time of history. Around 1 billion species are at risk of extinction. Extreme weathers are witnessed by whole world. The last decade 2015- 2024 is considered as warmest than before. Intensity and frequency of natural disasters has amplified causing millions of people displacement, health impacts and economical impacts. These alterations are responsible for loss of biodiversity. This essay will highlights the causes of climate change such as green house gases emission, burning of fossil fuels, enhanced industrialization, deforestation, waste ~~management~~ and drastic repercussions including <sup>enhanced</sup> global warming, natural disasters <sup>in frequency</sup>, glaciers melting, health impacts and threat to humanity.