

Name: Sadia Zulfizar

## Climate change: causes and effects

### Outline:

- (1) Introduction
  - A- Hook
  - B- General statements
  - C- Thesis statement
- (2) Natural causes of climate change
  - A- volcanic eruption
  - B- variation in solar cycle
  - C- changes in earth's orbit
- (3) Human driven causes of climate change
  - A- Deforestation
    - (i) depletion of carbon sinks
    - (ii) release of stored carbon
    - (iii) rise in temperature
  - B- Industrial emission
    - (i) cement production
    - (ii) steel production
    - (iii) plastic production
    - (iv) chemical production
  - C- Transportation emission
    - (i) private vehicle growth
    - (ii) limited public vehicle
    - (iii) low fuel standard

## D - Food emission

- (i) methane emission from rice cultivation
- (ii) use of fertilizers
- (iii) food waste

## E - Power emission

- (i) dependency on fossil fuel for electricity
- (ii) production

## F - Lifestyle

- (i) urbanization
- (ii) inefficient waste management

## 4 Effects of climate change

### A - Severe health issues

- (i) Hotter temperature
- (ii) Heat strokes
- (iii) casualties in Karachi

### B - Food insecurities

- (i) drought
- (ii) decreased yield of crops

### C - More severe storms

- (i) cyclone Biparjoy

### D - Severe flooding

- (i) poverty and displacement
- (ii) Khyberpakhtunkher flood

## 5 conclusion



# Essay

Extreme weather, rising sea level and melting ice caps are signs of climate change. By understanding what causes it and how it impacts us, we can take steps to prevent our planet. Climate change is a significant global issue to which developed countries are dealing successfully while underdeveloped countries like Pakistan are still struggling. It is not a new issue nor it is a fully settled one. Fossil fuels are major contributor to climate change. According to a UN report it accounts for 78% of the total increase in greenhouse gas emission. These gases blanket the earth and trap sun's heat which lead to the increased temperature of the earth. Causes of climate change can be divided into two types. First is natural causes which include volcano disruption, variation in solar cycle and changes in our orbit. These have minimal impact on climate change. The second and primary cause of climate change is human driven factors which include deforestation, industrial emission, food emission, improper waste management and many more. Climate change has drastic impacts on nation's stability. It results in rise in temperature, food insecurities, water scarcity, severe storms, flooding and health issues. A comprehensive approach is required at global level to address this issue and mitigate its long lasting impacts.