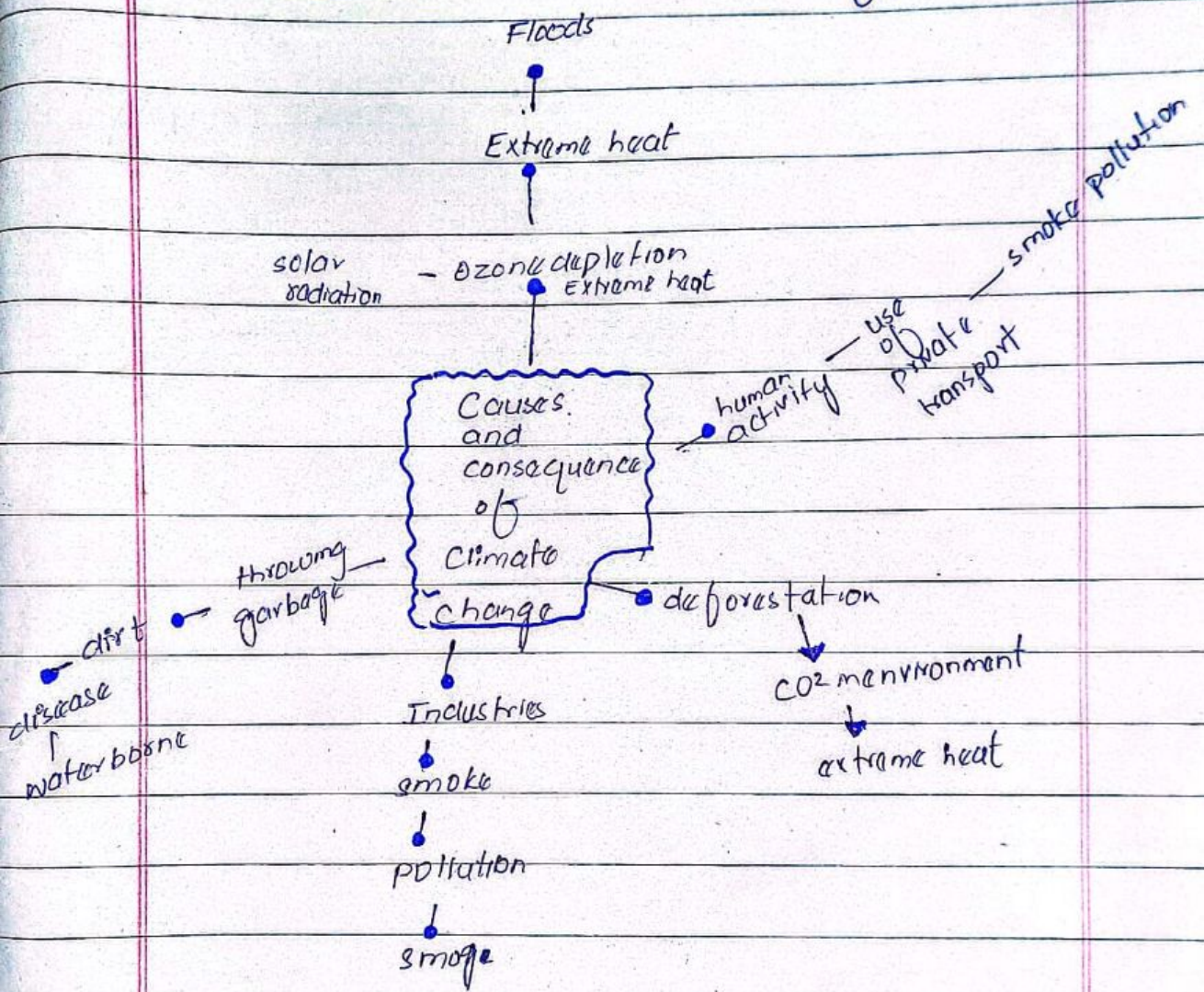


# CLIMATE CHANGE

we are the first generation to feel impact  
Obama



when the well is dry - we know the worth of water - Benjamin Franklin

From melting glaciers of the karakoram to the scorching heatwaves of India, climate change is rewriting Paterson's geography.



Day: Tuesday

Date: AUG 27, 2024

Name : Maryam Majeed

## "CLIMATE CHANGE: Causes and consequences"

### 1- Introduction

#### Thesis statement

66 Climate change is not only driven by natural factors such as ozone depletion and extreme heat but also by human activities including deforestation, fossil fuel burning, private transportation, & waste mismanagement. <sup>which lead to global warming, flooding, and pollution</sup> To combat this, Pakistan should focus on planting more trees promoting the use of public transport, investing in renewable energy, and implementing effective waste management strategies."

### 2- Causes:

#### Natural factors contributing to climate change:

(a) ozone depletion is a significant natural factor contributing to climate change, as it reduces earth's ability to filter harmful ultraviolet radiation

- which eventually rise global temperature.

(b) Extreme sun heat also contribute to the warming of the planet.

#### Human induced factors contributing to climate change:

(a) Deforestation significantly impact climate change due to it's contribution to green house gas emissions by increasing atmospheric CO<sub>2</sub> and reducing number of



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trees that can absorb green house gases.

(b) Burning of fossil fuel is a major driver of climate change due to its contribution to greenhouse gases emission

- industries rely heavily on these fossil fuels - lead significant environment impact

(c) Private transportation contribute to the climate change

- increase carbon emissions
- increase air pollution

(d) waste mismanagement - release methane which is a potent green house gas which exacerbates global warming.

### 3- Consequences

consequences of above factors:

(a) deforestation leads to biodiversity loss, disrupt water cycle and increased carbon emissions

(b) Fossil fuel burning lead to global warming, air pollution and environmental degradation - flooding

(c) Private transportation causes higher green house gases emissions which <sup>also</sup> add smoke in air making it polluted

(d) waste mismanagement add methane in air which is a potent green house gas cause health issues



and environmental pollution

#### 4- Solutions

Strategies to combat climate change:

- (a) planting more trees
- (b) Promoting use of public transport
- (c) Investing in renewable energy
- (d) Implementing effective waste management.

#### 5- Conclusion

“ We are the first generation to feel the impact of climate change and the last generation that can do something about it ” - Barack Obama

climate change represents one of the most pressing challenges of our time, characterized by global rising global temperatures, shifting weather patterns and increasing frequency of extreme weather events. The interplay of the natural factors with human activities has intensified the global crisis. Developing countries, particularly Pakistan, faces severe impacts due to ~~the~~<sup>it's</sup> vulnerability.



and limited resources for adaptation and mitigation. Pakistan continues to be one of the most polluted countries in the world ranked second by World Air Quality report 2023. In Pakistan, climate change is not only driven by natural factors such as ozone depletion and extreme heat but also by human activities including deforestation, fossil fuel burning, private transportation and waste management. These activities which lead to pollution, global warming, flooding. To combat this, Pakistan should focus on planting more trees, promoting public transportation, investing in renewable energy, and implementing effective waste management strategies.