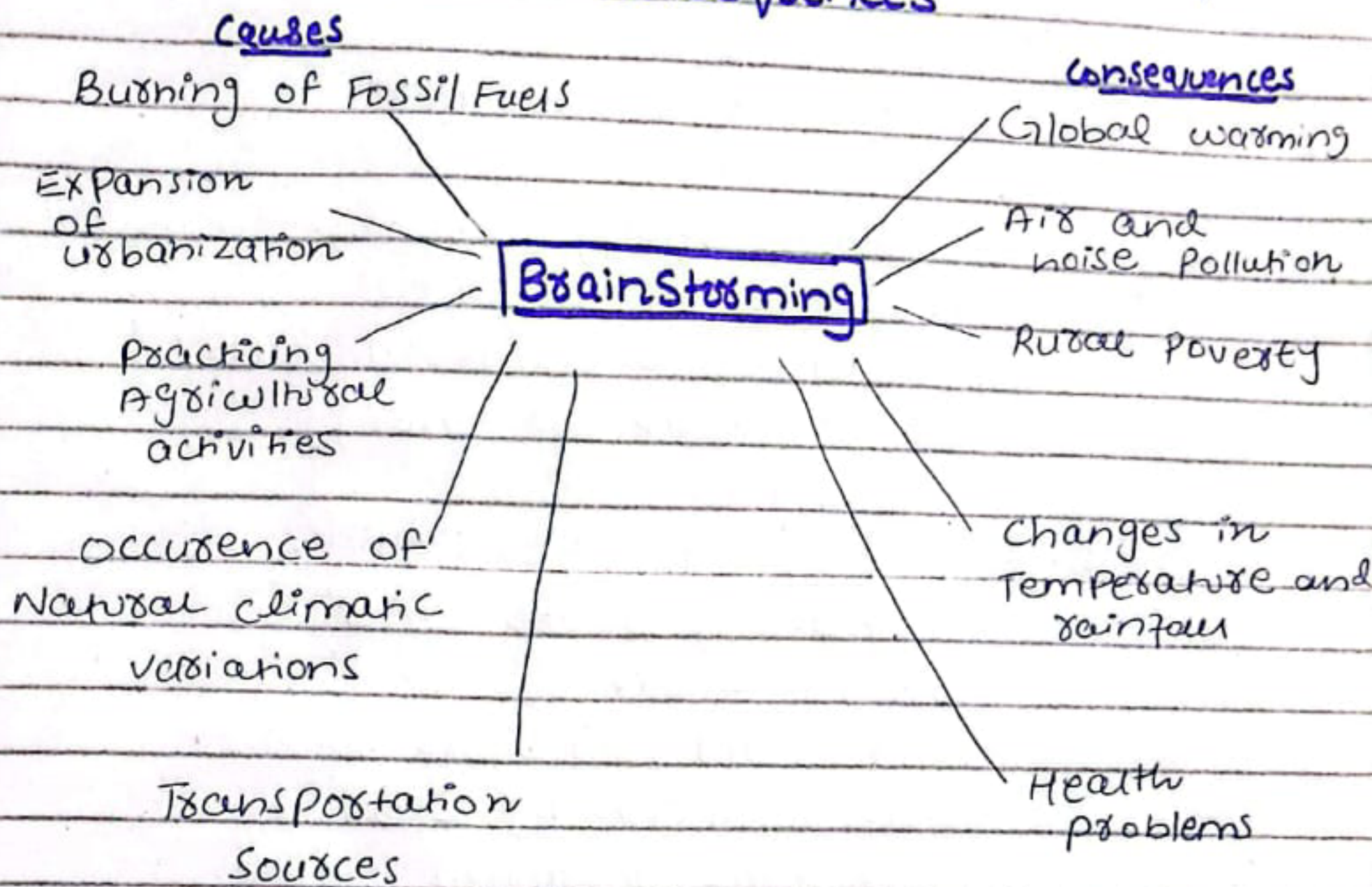


Essay

Climate Change : Causes & Consequences



OUTLINE

I. Introduction

(a) Hook

(b) Background

(c) Thesis: climate change arises from both human and natural factors, such as burning of fossil fuels, expansion of urbanization, practicing agricultural activities, occurrence of natural climatic variations, and transportation sources which together lead to serious consequences like global warming, Air and

noise pollution, rural poverty, changes in Temperature and rainfall, and health problems.

II. Causes of Climate Change

1. Burning of Fossil Fuels

(a) Primary Energy Sources, Greenhouse gas emissions

(b) Dependence on fossil fuels in Pakistan for energy generation.

2. Expansion of Urbanization

(a) Rapid City growth and industrialization.

Example: UN prediction towards urban population by 2050.

(b) Pakistan's unplanned urban expansion.

3. Practicing Agricultural activities

(a) Intensive Farming, land degradation, Excessive use of fertilizers

(b) Overuse of water resources and deforestation in Pakistan.

4. Occurrence of Natural climatic variations

(a) Volcanic eruptions, Seasonal changes, Solar radiations.

(b) Melting of glaciers, and changing rainfall patterns in Pakistan.

Example: 2022 Catastrophic floods and 2025 Flash floods.

5. Transportation Sources

(a) Vehicle emissions, Transport

Sector

(b) Growing transport pollution in Pakistan

III. Consequences of climate change

1. Global warming

(a) Rising global temperatures, ecosystems disruption, Frequent heat waves.

(b) visible impacts of global warming in Pakistan.

2. Air and Noise Pollution

(a) Environmental impacts, Urban air, Mental fatigue.

(b) Second most polluted country - Pakistan

Example: Major cities like Karachi and Lahore.

3. Rural poverty

(a) lack of modern technology, inequalities, Decline in productivity

(b) livelihood insecurity in Pakistan

4. Changes in temperature and rainfall

(a) Unpredictable climate patterns, Droughts, Floods.

(b) Pakistan's Rising temperature.

5. Health problems

(a) Infectious diseases, dehydration, anxiety, Pollution.

Example: outbreak of waterborne diseases

(b) Pakistan's smog effects and widespread health crisis.