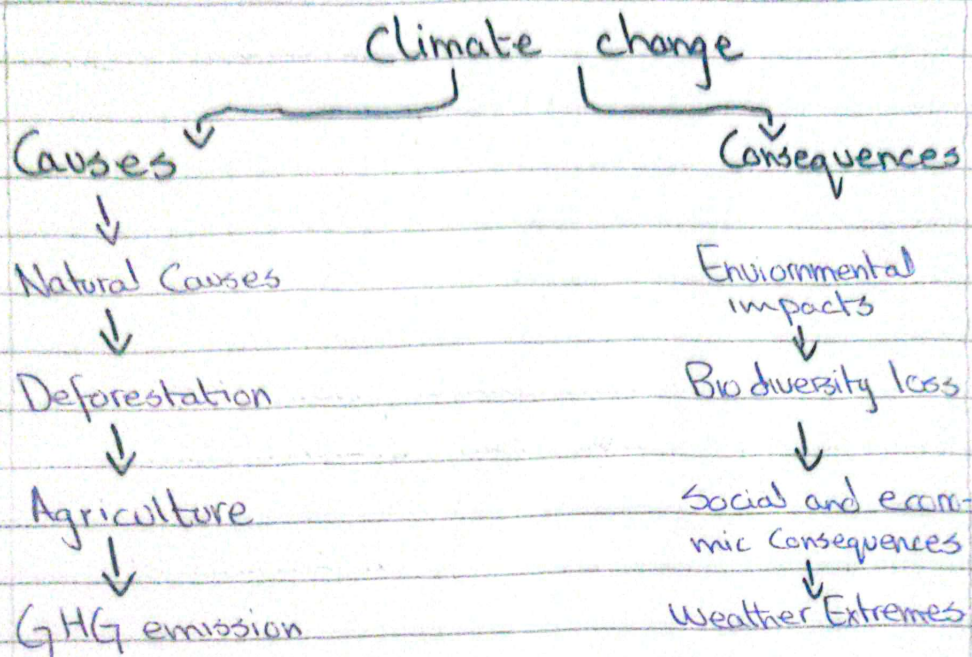


Climate Change in Pakistan

Causes and Consequences.



Outline:

1.1 Natural Causes:

- a. Volcanic eruption
- b. Solar radiations
- c. Natural Carbon cycles.

1.2 Deforestation:

- a. loss of Carbon sinks
- b. Disruption of ecosystem.

1.3 Agriculture:

- a. Use of fertilizers
- b. Methane (CH_4)
- c. land-use-change.

1.4) Greenhouse Gas Emission:

- a. Carbon dioxide from fossil fuels.
- b. Industrial emissions.
- c. Vehicle emission.
- d. Coolants and refrigerators.

2) Consequences of climate change.

2.1) Environmental impact:

- a. Rising global temperature.
- b. Melting glaciers and sea level rise
- c. Ocean acidification.
- d. Eutrophication.

2.2) Loss of Bio-diversity:

- a. Habitat destruction.
- b. Extinct species.

2.3) Social and economic:

- a. food and water insecurity.
- b. Migration
- c. agriculture, infrastructure damage

2.4) Weather Extremes:

- a. Irregular rain pattern.
- b. excessive flooding.
- c. Heat waves.
- d. Cloud burst.

Introduction

Hook: "Every second, the Earth absorbs the heat equivalent of five Hiroshima-sized atomic bomb - thanks to climate change."

Background information Climate change is a long-term shift in Earth's climate patterns, mainly caused by human activities. Burning fossil fuels along with deforestation has increased green house gases like Carbon dioxide and methane in the air. These gases trap heat intensifying the natural greenhouse effect and raising global temperatures. Scientists warn that climate change threatens ecosystem, human health and economies world wide.

Thesis Statement: There are several causes of climate change. Some are natural causes like Volcanic eruption, Solar radiations, Natural Carbon cycle, Anthropogenic includes deforestation, loss of Carbon sinks, Disruption of ecosystem, In Agriculture use of fertilizers, land use changes and production of methane (CH_4) gas. emission of Carbon dioxide, GHG emission from industries, vehicles and refrigerators. It adversely impacts environment like rise in global temperature, melting of glaciers, sea level rise, eutrophication, ocean acidification, loss of biodiversity, weather extremes, social and economical impacts.