

Brainstorming

Climate change causes & consequences

changes in
sun's energy

Plate Tectonics

Vulkanism

Natural causes

Causes

Man made causes/anthropogenic

→ Global warming

enhanced → Green house effect

→ Depletion of ozone layer

→ population explosion

→ massive Reforestation

→ Rapid urbanization

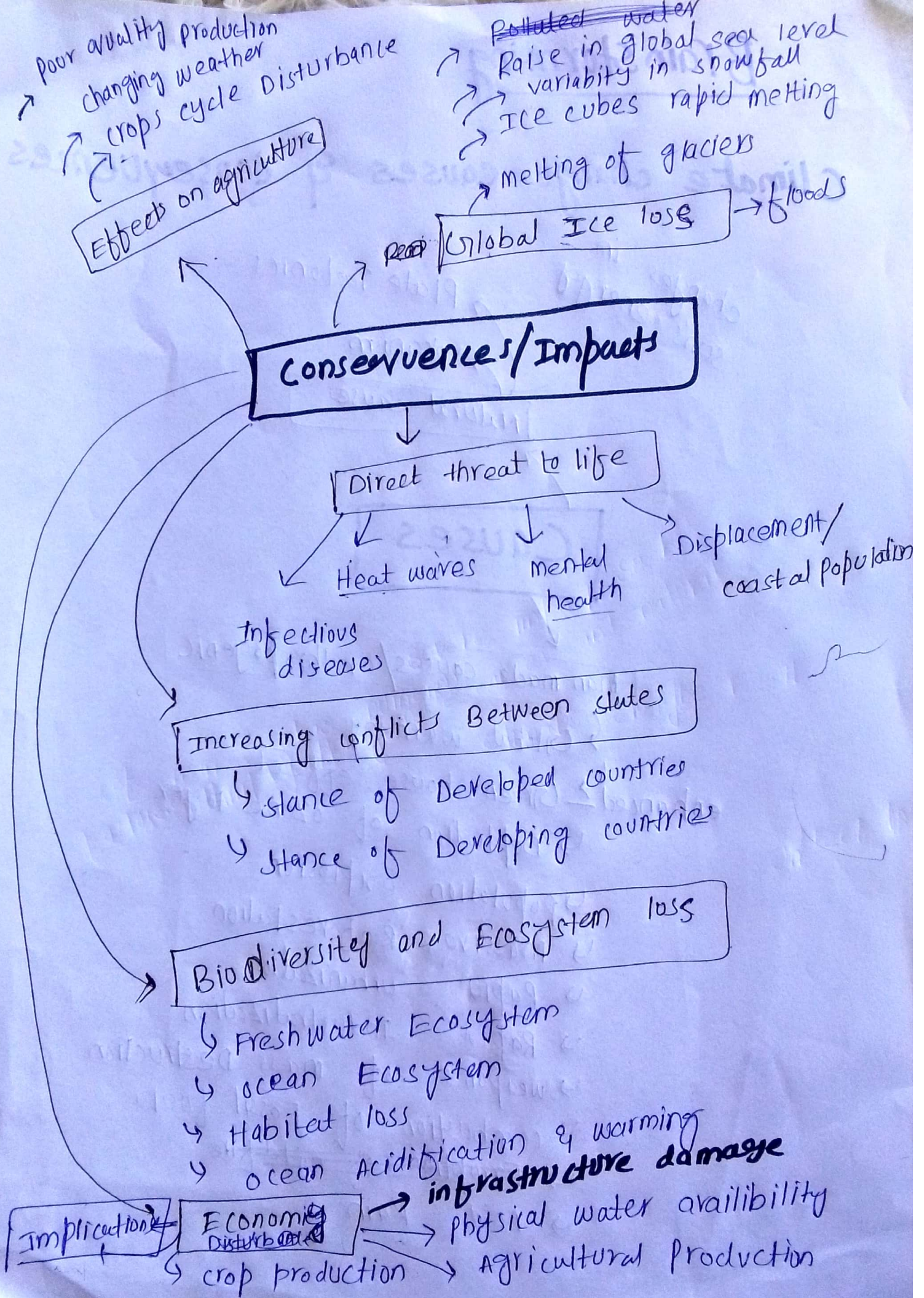
→ Rapid Industrialization

→ weapons of mass destruction

→ combustion of Fossil fuel

→ ~~Eruption of wild fire~~

→ Acid Rain



Climate Change: causes and consequences

OUTLINE

1. Introduction:

1.1 Hook

1.2 General statements

1.3 Thesis statement: climate change is mainly result of anthropogenic or human made causes and natural factors. climate change has numerous severe impacts such as direct threat to life, Global Ice loss, Increasing conflicts between states, agricultural implications, Bio-diversity and ecosystem loss and economic impacts of climate change. Implementation of some mitigation and adaptation measures can help in reducing causes and severe impacts of climate change.

2. Body:

A. causes of climate change:

A.1 Anthropogenic or Human made causes:

A.1.1

A.1.2

A.1.3

A.1.4

A.1.5

A.1.6

Rapid urbanization

combustion of fossil fuels

Rapid Deforestation

Global warming

Enhanced Green house effect

Rapid Industrialization

- A.1.7 Population Explosion
A.1.8 weapons of mass Destruction

A.2 Natural Factors

- A.2.1 Volcanism
A.2.2 plate Tectonics
A.2.3 changes in sun's Energy

B. Impacts of climate change:

B.1. Direct threat to life

- B.1.1
B.1.2
B.1.3

Infectious Diseases
Heat waves
mental health

B.2. Global Ice loss:

- B.2.1 Melting of glaciers
B.2.2 global Ice cubes loss
B.2.3 Raise in global sea level

B.3. Increasing conflicts between states

- B.3.1 stance of developed countries
B.3.2 stance of Developing countries
B.3.3 Division of Natural resources

B.4. Agricultural implications:-

- B.4.1 crops cycle Disturbance
B.4.2 change weather conditions
B.4.3 poor quality of production

B.5 Bio-diversity and ecosystem loss

- B.5.1 Habitat loss
- B.5.2 ocean acidification and warming
- B.5.3 Food availability

B.6 Impacts on Economy

- B.6.1 Damage of infrastructure
- B.6.2 Agricultural production
- B.6.3 Physical water availability

C. Mitigation and adaptation measures

3. Conclusion:

Climate change: causes and Implications

In the words of Former President of United States, Barack Obama, "climate change is not a distant threat; it is a reality of our times. This reality is becoming increasingly evident as we witness the profound impacts of climate change on our planet." Just a few decades ago, discussions about climate change were largely confined to scientific circles. Today, impacts of climate change are a reality of everyday life. **W**idespread and rapid changes in the atmosphere, ocean and bio-sphere have occurred. There is **a** nearly unanimous scientific consensus that the earth has been consistently warming since the start of industrial revolution, that the rate of recent warming is largely unprecedented. **A**nd it is important to remember that scientists always focus on the evidence, not on opinions. Basically, climate is an envelope within which all other environmental conditions and processes important to human well being must function. Those actions and processes include those that govern the quality of air, the quality and quantity of fresh water, the fertility of soil, the productivity of ocean, and natural control on pests and pathogens. **W**hen it comes to the causes, ~~of climate change~~ climate change is mainly result of anthropogenic or human made causes and natural factors. Climate change has numerous severe impacts such as direct threat to life, Global Ice loss, Increasing conflicts between states, agricultural implications, Bio-diversity loss and economic impacts of climate change and ecosystem loss. Implementation of some mitigation and adaptation measures can help in reducing causes and severe impacts of climate change.

Not Asked