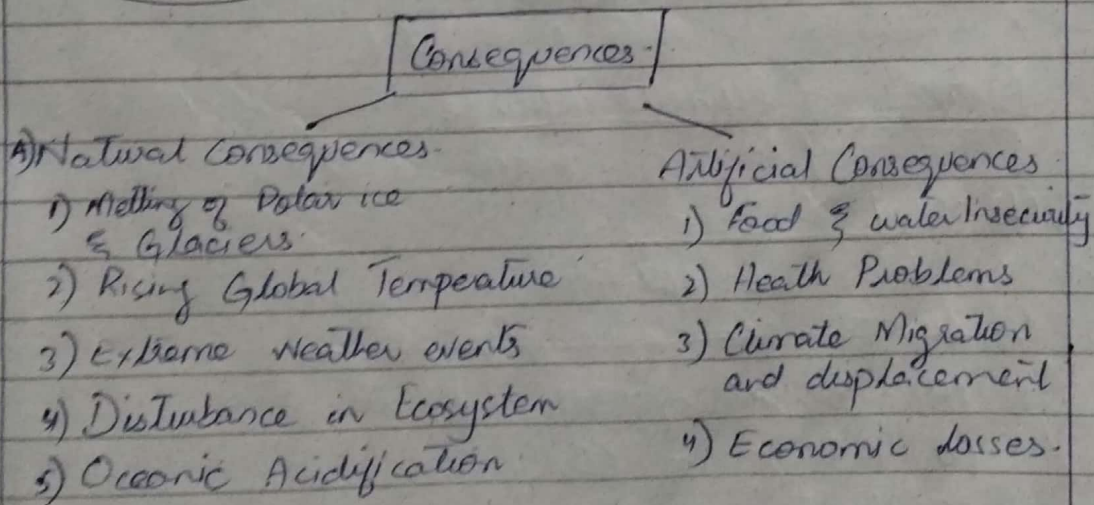
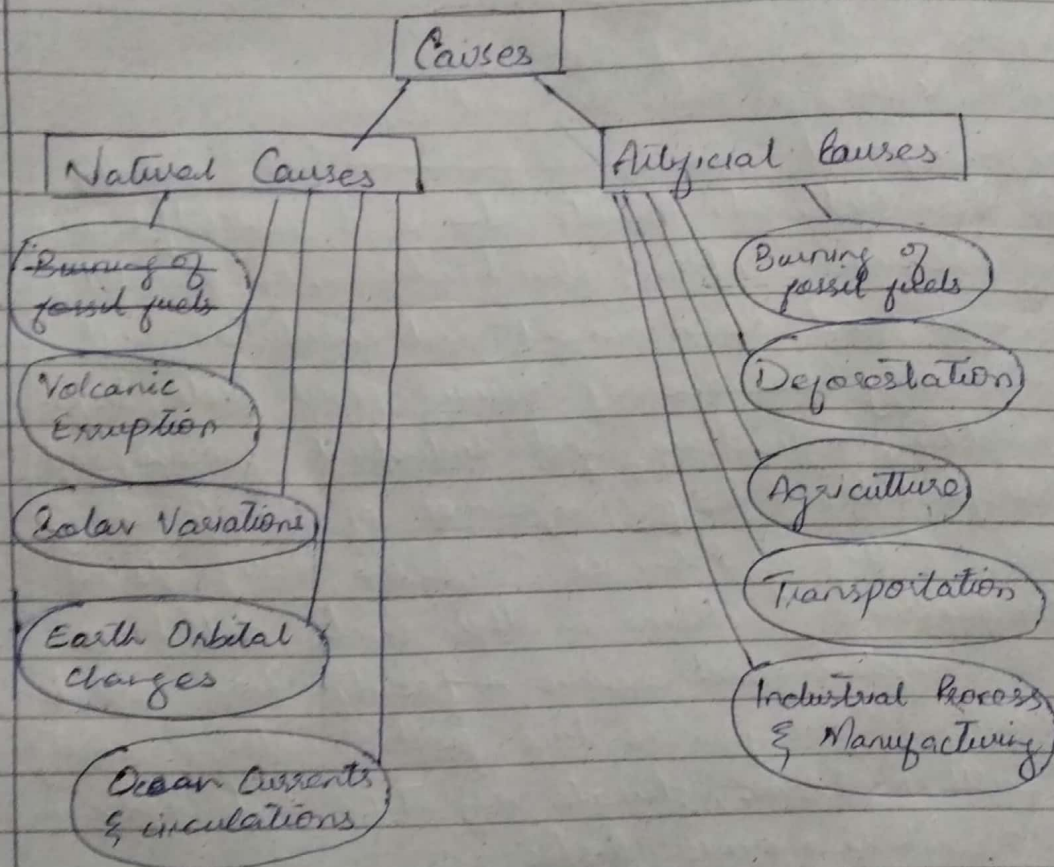


Outline

Climate Change: Causes and Consequences

Brain Storming



Climate Change: Causes and Consequences

Outline

Introduction

a) Hook

b) Background

c) Thesis Statement: Climate change is ^{naturally} caused because of volcanic eruption, solar variations, Earth orbital changes, and ocean current and circulation and artificially because of Burning fossil fuels, Deforestation, Agriculture and Industrial processes and transportation. The ^{Natural} consequences of climate change are, Melting of Polar ice & glaciers, rising global temperature, extreme weather events, disturbance in ecosystem and oceanic acidification and its artificial consequences are food & water insecurity, health problems, climate migration and displacement and economic losses.

Drivers of Climate Change

(1) Natural Drivers:

(i) Volcanic Eruption:

(a) ~~Formation of molten Rocks.~~

(a) Emission of SO_2

(b) Release of CO_2

(c) ~~Ejection of Ash.~~

✓
(ii) Solar Eruptions:

- (a) Variation ✓ in solar radiations
- (b) Coronal ✓ mass ejections (CMEs)

(iii) Earth Orbital Changes:

- (a) Shape of earth's orbit
- (b) Axial tilt ✓ (The ✓ angle of earth's Axis)
- (c) The ~~Wobble of Earth's Axis~~

✓
(iv) Oceanic ✓ Current and Circulation:

- (a) Global ✓ Conveyor Belt
- (b) Atmosphere ✓ Interactions of Ocean
- ~~iii~~ (i) El-Nino & La-Nino Phenomenon

~~(v)~~ Artificial Drivers:

- (i) Burning ✓ of fossil fuels ✓
 - (a) Excessive emission of CO_2
 - (b) Release ✓ of Greenhouse Gases (CH_4 and NO_2)

~~(vi)~~ Deforestation:

- (a) Emission ✓ of ✓ absorbed CO_2
- (b) Global ✓ warming

(iii) Agriculture ~~&~~ Industrial Processes:

- (a) Emission ✓ from livestock
- (b) ~~Use of Fertilizers~~
- (c) Chemical manufacturing processes
- (d) Industrial ✓ waste and pollution

(iv) Transportation:

- (a) Emission ✓ from fossil fuels

(b) Aviation & Air Travel

(c) Maritime Transport and Shipping

B) Consequences of a Changing Climate:

1) Natural Consequences:

(i) Melting of Polar Ice and Glaciers:

(a) Rising Global Temperature Coastal flooding

(b) Rising Sea level

(c) Ocean currents and weather patterns

ii) Rising Global Temperature:

(a) Frequent Heat Waves

(b) Ocean Warming

iii) Extreme Weather events:

(a) Flash Floods & Heavy Rainfall

(b) Wildfires & Forest Degradation

(iv) Disturbance in Ecosystem:

(a) Alteration of Natural Habitats

(b) Marine life disruption

(c) Disruption of Species interactions

(v) Oceanic Acidification

(a) Impact on Marine Organisms

(b) Economic & Human Implications

2) Artificial Consequences:

(i) Food and Water Insecurity

- (a) ~~Agriculture Productivity reduction~~
- (b) ~~Increase in soil degradation~~
- (c) ~~Impact on fisheries~~

(ii) Health Problems

- (a) Increase in Heat strokes
- (b) Spread of Vector-Borne Diseases
- (c) Water and Food Borne Diseases

(iii) Climate Migration and Displacement

- (a) Rise in Sea level and coastal flooding
- (b) Rise in Human Migration

(iv) Economic Losses

- (a) Damages due to flood
- (b) Losses of Agriculture & livestock
- (c) Impact on Tourism

Conclusion:

well organized and
quite relevant
plz make more
mature phrases
please