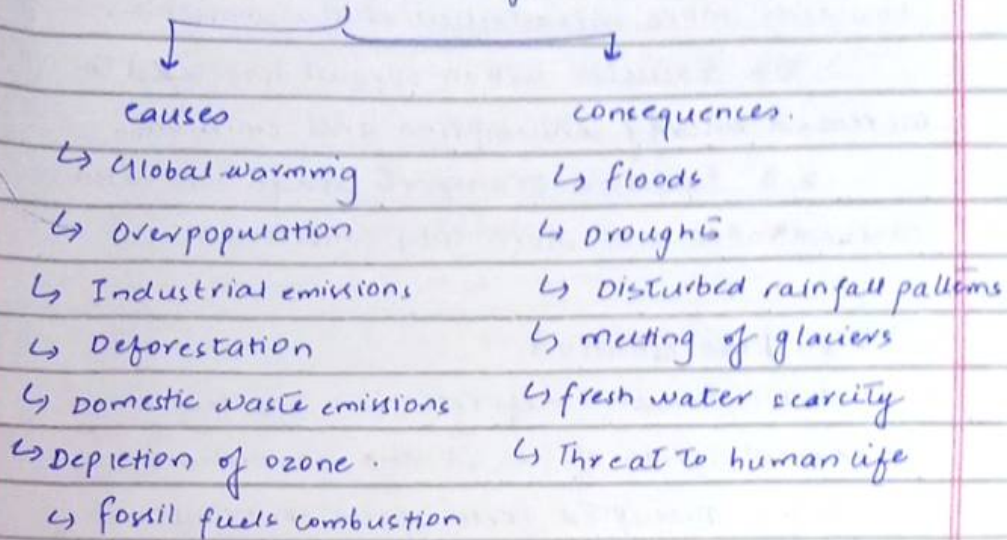


Climate change; causes and consequences.

Brainstorm.

Climate change



Outline.

1) Introduction:

1.1 Attention grabber

1.2 General statements

1.3 Thesis statement:- There are several causes of climate change e.g industrial emissions, overpopulation, fossil fuels combustion and deforestation. The consequences mainly include disturbed rainfall patterns, fresh water scarcity,

2) Causes of climate change: threat to human life and melting of glaciers.

2.1 Industrial emissions.

2.1.1 Gases like CO_2 , SO_2 , N_2O etc. contribute towards global warming ^{and temperatures rise} and ultimately climate change

2.1.2 Gases cause disruption of ozone layer, thereby leading towards global warming

2.1.3 Industrial emissions also contribute in increased aHus suspended in the atmosphere, and disrupting the climate patterns.

2.2 Overpopulation

2.1 Rapid urbanization has contributed towards more infrastructural developments.

2.2 Excessive urban sprawl has led to increased energy consumption and emissions.

2.3 Excessive transport usage has also caused more and more GHG emissions.

2.3 Deforestation.

2.3.1 Excessive deforestation has led to increased levels of CO_2 in the atmosphere

2.3.2 Disrupted green spaces contribute to disturbed rainfall cycles

2.3.3 Air filtration is also effected, and thereby leads to deteriorated air quality.

2.4 Fossil fuels combustion.

2.4.1 Waste burning releases harmful gases e.g. CH_4 , SO_2 , CO_2 etc.

2.4.2. Combustion for energy sector production also lead to increased levels of GHG emissions

2.4.3. Petrol and diesel emissions due to increased levels of ^{usage} of automobiles also release harmful gases.

3) consequences of climate change

3.1 Disturbed rainfall patterns

3.1.1 Rainfalls patterns get effected with more rainfalls in some months and less rainfalls in others.

3.2 Melting of glaciers

3.2.1 Temperature extremes lead to excessive ice melting

3.2.2 Gradual disruption of glaciers in the Arctic region is noticed.

3.3 fresh water scarcity

3.3.1 Due to disturbance in water tables, fresh water for cleaning and drinking becomes scarce.

3.3.2 Sea water being 97% of water reserve, is extremely salty and insufficient for domestic consumption.

3.4 Threat to human life

3.4.1 Increasing temperatures can cause heat strokes, skin diseases, blood pressure fluctuations etc.

3.4.2 Gradual increase in global temperatures have also leads to slower productivity

4) way forward :-

4.1 By controlling excessive urbanization

4.2 By promoting reforestation

4.3 By controlling excessive industrial emissions

4.4 By shifting towards renewable energy alternatives.

5) Conclusion

S-1 Thesis statement restated

S-2 Summary

S-3 Concluding statement.

The Essay

According to Inter-governmental panel for climate change (IPCC): "1.2°C global average temperature has increased from 1850 to 2024". And there is a further potential of rise from 1.4°C to 5.8°C upto 2100". These statistics are validating the extent of climate changes and the temperature extremities the world is facing now. Unfortunately, Pakistan is also facing the climatic changes so severely and harshly. The main reasons include excessive industrial emissions, overpopulation, deforestation and fossil fuels combustion. As a result the major effects of climate change include threat to human life, disturbed rainfall patterns, fresh water scarcity and excessive and rapid melting of glaciers. To deal with this effectively, there is a strong need of immediate remedies to be adopted. Unless the issue of rapidly changing climate be addressed with strong hand, Pakistan up and down can neither become prosperous nor respectable.