

Topic: Global warming: its causes, consequences, challenges, and ways to counter it

Outline:

1. Introduction

Thesis Statement: Global warming has become a big issue in the world.

There are several natural and anthropogenic causes of its existence and increase. Therefore, world is facing a lot of threats and challenges.

However, by taking prudent measures and steps, global warming can be countered.

2. Concept of global warming

3. Natural causes of global warming

a) Volcanic eruption and tectonic plates movement

b) Variation of Milankovitch cycle of energy reaching to earth

4 - Anthropogenic causes of global warming

- a) Burning of fossil fuels
- b) Increasing concentration of CO_2 and CH_4
- c) Excessive use of insecticides and pesticides
- d) over population and urbanization
- e) Rapid deforestation and land use change
- f) Emission of aerosols and ozone depletion

5 - Consequences/Threats/Evidences of global warming

- a) Heavy economic losses
- b) Global temperature rise
- c) Emergence of new political disputes
- d) Natural disasters occurrence
- e) Acidification of sea water
- f) Loss of Biodiversity
- g) Food insecurity increases
- h) Emergence of vector diseases
- i) Melting glaciers and changes sea level
- j) Drought and water scarcity

6 - Challenges to counter global warming

- a) political disputes among countries
- b) Economic development and recovery

- c) Rising security issues
- d) Social and cultural issues

7- prudent measures / steps to counter global warming

a) integrated approach in policy making and agreements

b) use of mitigations and adaptations

c) Renewable sources of energy

d) Reforestation and afforestation

e) Control of rapid urbanization and overpopulation

f) Salinity and drought resistant crops

g) Awareness through social media

h) new technologies and research should be introduced

8- Conclusion