

Keep practicing on different themes/topics

"The Threat of Global Warming and the Ways to Counter it"

1- Introduction to ~~Global Warming~~

a- Definition of global warming.

- understanding global warming and its distinction from climate change.

b- Overview of Green House Gases and Their Effects.

Major green house gases (CO_2 , CH_4 , NO_2) and their role in warming the planet.

Unnecessary details

c- Historical Context and Current Trends.

- Historical CO_2 levels and temperature trends.

2 - Threats of Global Warming.

a- Rising Temperature :

- Impact on Weather Patterns

e.g. 2003 European heatwave.

- Effect ~~on~~ Ecosystem and Wildlife.

e.g. Polar bear habitat loss in Arctic.

b- Melting Ice Caps and Glaciers :

- Consequences for Sea levels

e.g. Rising sea level threatening maldives.

- Impact on ~~Polar and Coastal~~.

e.g. Retreat of the ~~Greenland ice sheet~~.

c- Extreme Weather Events :

- Increased frequency and severity of floods

e.g. Hurricane Katrina in 2005.

- Economic and Social Impacts:
e.g. The 2010 Pakistan floods and their economic toll.

3- Ways to Counter Global Warming:

a- Mitigation Strategies:

- Reduction of Green house gas emissions
e.g. Success of Denmark's wind energy policy.

b- Adaptation Strategies:

- Developing Early warning systems.
e.g. Japan Earthquake early warning system.

c- Policy and Legislation:

- International agreement
e.g. The Paris agreement and its goals.

d- National and local Policies.

- e.g. California's emissions reduction targets and their impacts.

4- Conclusion:

- Summary of key points.
- The importance of collective actions.
- Future outlook and ongoing challenges.