

# Understanding Global Warming

- Global warming refers to the long-term rise in Earth's average temperature.
- It is primarily caused by human activities that increase greenhouse gases.
- Effects are seen in rising sea levels, melting ice caps, and extreme weather.

# What Causes Global Warming?

- Greenhouse Gases: CO<sub>2</sub> from fossil fuels, methane from agriculture, and nitrous oxide from fertilizers.
- Deforestation: Reduces CO<sub>2</sub> absorption.
- Industrial Activities: Emissions from factories and transportation.

# The Impact of Global Warming

- Melting glaciers and rising sea levels.
- More frequent and severe natural disasters.
- Threats to biodiversity and extinction of species.
- Negative impact on agriculture and human health.

# Real-World Evidence

- Arctic ice has declined by 13% per decade since 1980.
- Australia's bushfires in 2019-2020 destroyed millions of hectares.
- Bangladesh faces increasing floods due to rising sea levels.

# How Can We Fight Global Warming?

- Shift to renewable energy sources.
- Plant more trees and support reforestation.
- Reduce, reuse, recycle.
- Support policies that limit emissions and encourage sustainability.
- Educate others and raise awareness.