

Climate Change: A Brief Overview

Climate change refers to long-term shifts in global weather patterns and average temperatures. Key points include:

1. Causes:

- Primarily human activities, especially burning fossil fuels
- Deforestation and industrial processes

2. Effects:

- Rising global temperatures
- Melting polar ice caps and glaciers
- Sea level rise
- Extreme weather events

3. Mitigation Strategies:

- Reducing greenhouse gas emissions
- Transitioning to renewable energy sources
- Improving energy efficiency
- Reforestation and afforestation

4. International Action:

- Paris Agreement (2015)
- UN Sustainable Development Goals

Scientists agree that urgent action is needed to limit global temperature increase to 1.5°C above pre-industrial levels to avoid the most severe consequences of climate change.