

# Climate Change Effects

## Introduction

The impacts of climate change are already being felt around the world. As greenhouse gas concentrations rise, they disrupt natural systems, endanger human health, and alter ecosystems. The effects are wide-ranging and interconnected.

## Environmental Effects

- Rising temperatures and longer heatwaves
- Melting glaciers and ice caps, rising sea levels
- Increased intensity and frequency of storms, floods, and droughts
- Ocean acidification affecting marine life
- Changing habitats and species migration

## Human and Economic Effects

- Threats to food and water security
- Spread of diseases like malaria and heat-related illnesses
- Displacement of communities (climate refugees)
- Economic losses from weather damage and resource scarcity

## Classroom Discussion Questions

- Which of these effects are visible in your country or region?
- How do climate impacts differ between developed and developing nations?
- What long-term challenges will future generations face if trends continue?