

Understanding Climate Change

What is Climate Change?

Climate change refers to long-term shifts in temperatures and weather patterns. While these changes can occur naturally, human activities have been the primary driver since the 1800s, largely due to burning fossil fuels like coal, oil, and gas.

Causes of Climate Change

- Burning fossil fuels (coal, oil, gas)
- Deforestation
- Industrial activities
- Agriculture and livestock emissions

Effects on People and Nature

- Rising global temperatures
- Melting glaciers and rising sea levels
- More frequent extreme weather events
- Disruption of ecosystems
- Health risks

What You Can Do

- Reduce energy and water use
- Use public transport, walk, or cycle
- Eat more plant-based meals
- Recycle and reduce waste
- Talk and act

Quick Climate Facts

- Global temps have risen ~1.1°C since 1880
- 10 warmest years recorded since 2010
- CO₂ levels highest in 800,000 years
- Disasters increased 5x in 50 years

Learn More

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- UN Climate Action: <https://www.un.org/en/climatechange>
- NASA Climate: <https://climate.nasa.gov>
- IPCC: <https://www.ipcc.ch>