

What is climate change?

Climate change is slow changes to the planet's climate over a long period of time (millennia).

How are humans and animals being affected by climate change?

There are more extreme weather events - storms, floods and heatwaves. As a result, people are losing their homes due to flooding and fire and some may lose their lives. There are also food shortages due to flooding and drought.

Sea levels are also rising as the ice in polar regions melts, causing sea levels to rise and flooding in coastal areas.

All of us are affected by climate change

Climate change affects our planet and all the living things on it. We can all make a difference and help protect our Earth. Here are some things we can do:

Save Energy: Turn off lights and electronic devices when we're not using them

Reduce, Reuse, Recycle: We can reduce the amount of waste we create by using less plastic and recycling materials like paper, glass, and metal.

Conserve Water: Turn off the tap while brushing our teeth and fix leaks to prevent wasting water.

Reduce the amount of meat we eat: Eating a plant based diet cuts down on greenhouse gases is more healthy for us.

While it's true that climate change is a big challenge, we should not feel helpless. By making small changes in our habits and encouraging others to do the same, we can contribute to a healthier and more sustainable planet.



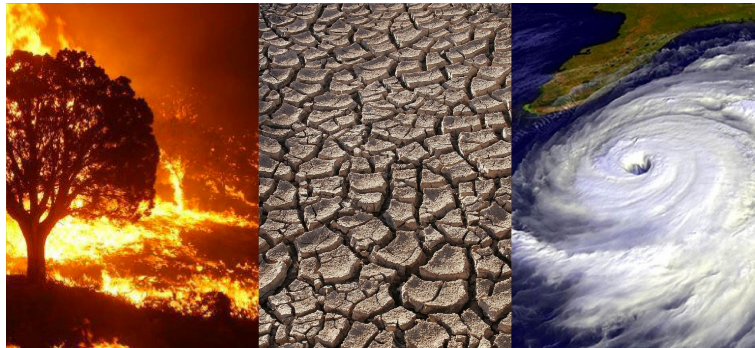
Y6 Geography Climate Change



What is causing global warming?

Global warming is the warming of the earth's climate very quickly. It is caused by the greenhouse effect which happens when gases are trapped in the earth's atmosphere. These trapped gases heat up the planet.

(Some of the gases are carbon dioxide produced as people burn fossil fuels and some are methane produced by farming animals such as cows.)



Key vocabulary

atmosphere	A mixture of gases that surround the earth
climate	what the weather is like over a long period of time.
weather	Short-term changes in the atmosphere; what it's like on a day-to-day basis (hot, cold, sunny, cloudy, rainy, windy).
Carbon dioxide	A gas that is poisonous to humans
Greenhouse gas	Gases that get trapped in the earth's atmosphere and heat the planet up
Fossil fuels	Coal and oil can be burned to make heat energy
Sea level	How high the sea is
environment	The surroundings or conditions in which a person, animals or plant lives
Global warming	The warming of the earth's climate very quickly