

# In geography we are learning about...

## Climate Change and Influential people

### Key vocabulary



**Atmosphere** - The mixture of gases that surrounds the Earth.

**Carbon dioxide** - It is a gas at room temperature. It is made of one carbon and two oxygen atoms. People and animals release carbon dioxide when they breathe.

**Climate change** - Significant change in the Earth's climate over time is called climate change.  
fossil fuels A natural fuel such as coal or gas formed from the remains of organisms that lived long ago.

**Global warming** - The gradual increase in the overall temperature of the earth's atmosphere.  
greenhouse effect Warming of the earth caused by the trapping of the sun's energy by greenhouse gases.

**Greenhouse gas** - Gases in the air that trap energy from the sun e.g. carbon dioxide and methane.

**Methane** - Methane is gas that is found in small quantities in Earth's atmosphere.

**Sustainable** - When a natural resource is sustainable, it doesn't become used up or destroyed.

### Sticky knowledge



Global warming is causing changes to normal weather conditions in places all over the world.

Each year the amount of carbon dioxide in the atmosphere is increasing and this is contributing to causing global warming.

Global warming is causing things to happen: ice sheets, sea ice and glaciers around the North Pole and South Pole and in high mountain ranges are thawing.

There are more extreme weather events around the world happening - long heat waves, droughts in some places, flooding elsewhere and sea levels are rising.

### Links to previous learning

- Knowledge of the water cycle and ecology.
- Understanding of extreme weather and effects of natural disasters.



### Aspirations

Environmentalist  
Environmental lawyer  
Geoscientist  
Climatologist



### Characteristics needed for this topic:

- Questioning
- Making links
- Compassion and Empathy

