

Climate Change

Text Book

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Text

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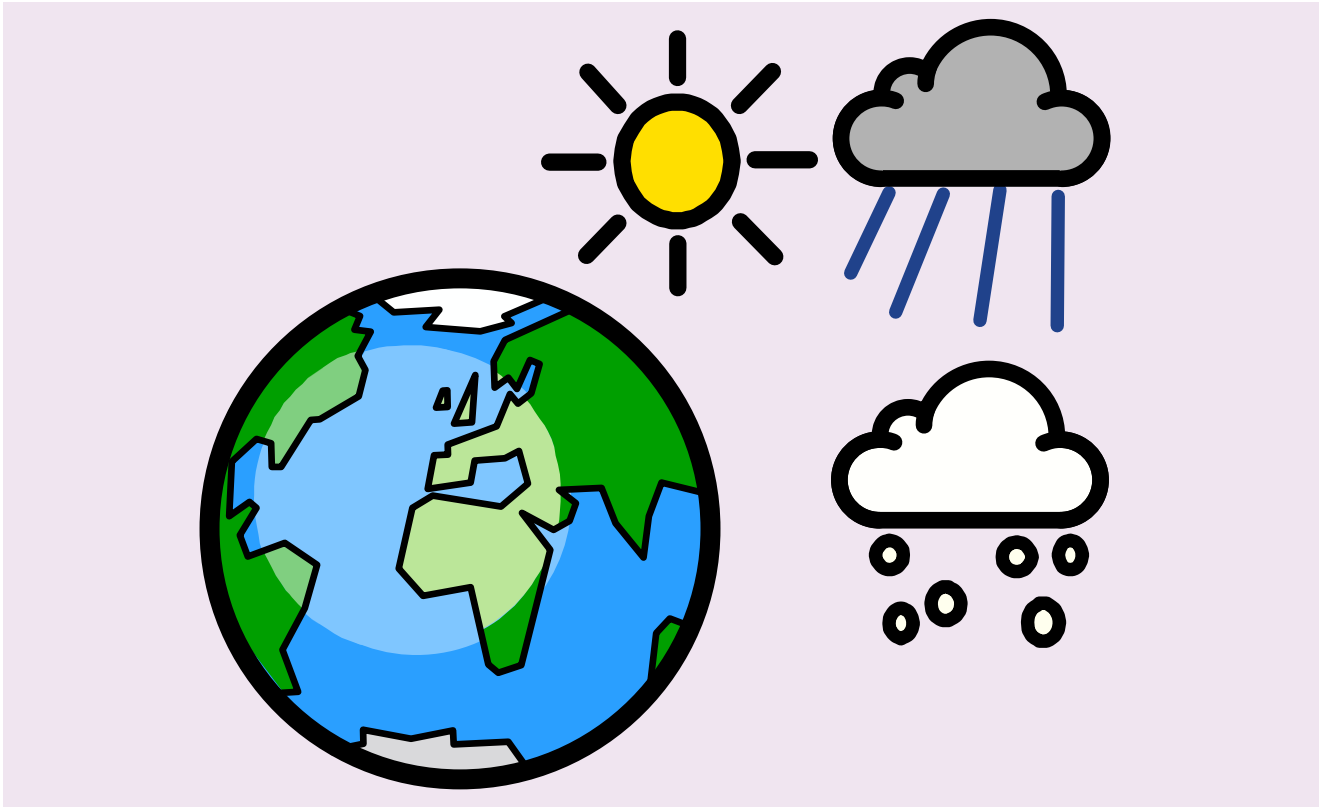
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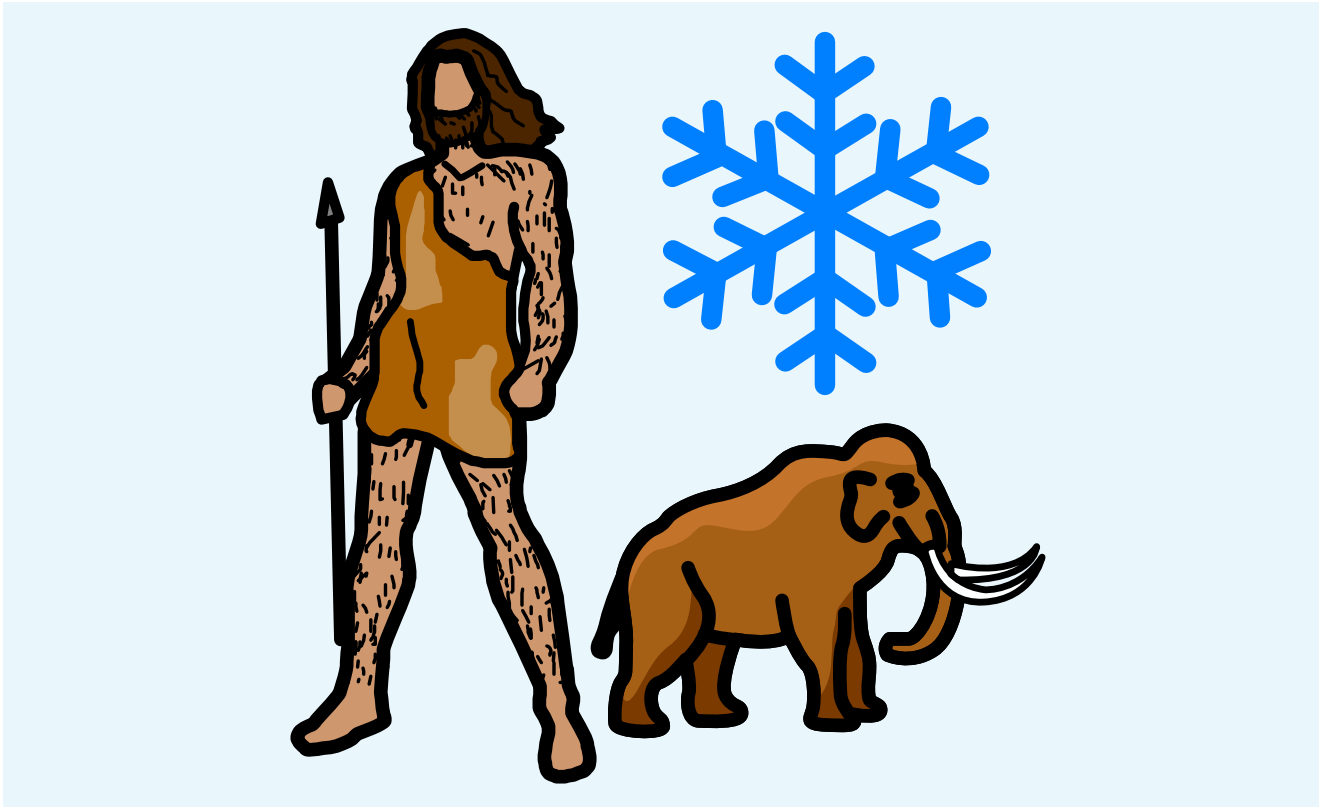


The word climate means all the world's weather.

The world's climate is changing.

The climate is becoming warmer and wetter.

This is called climate change.

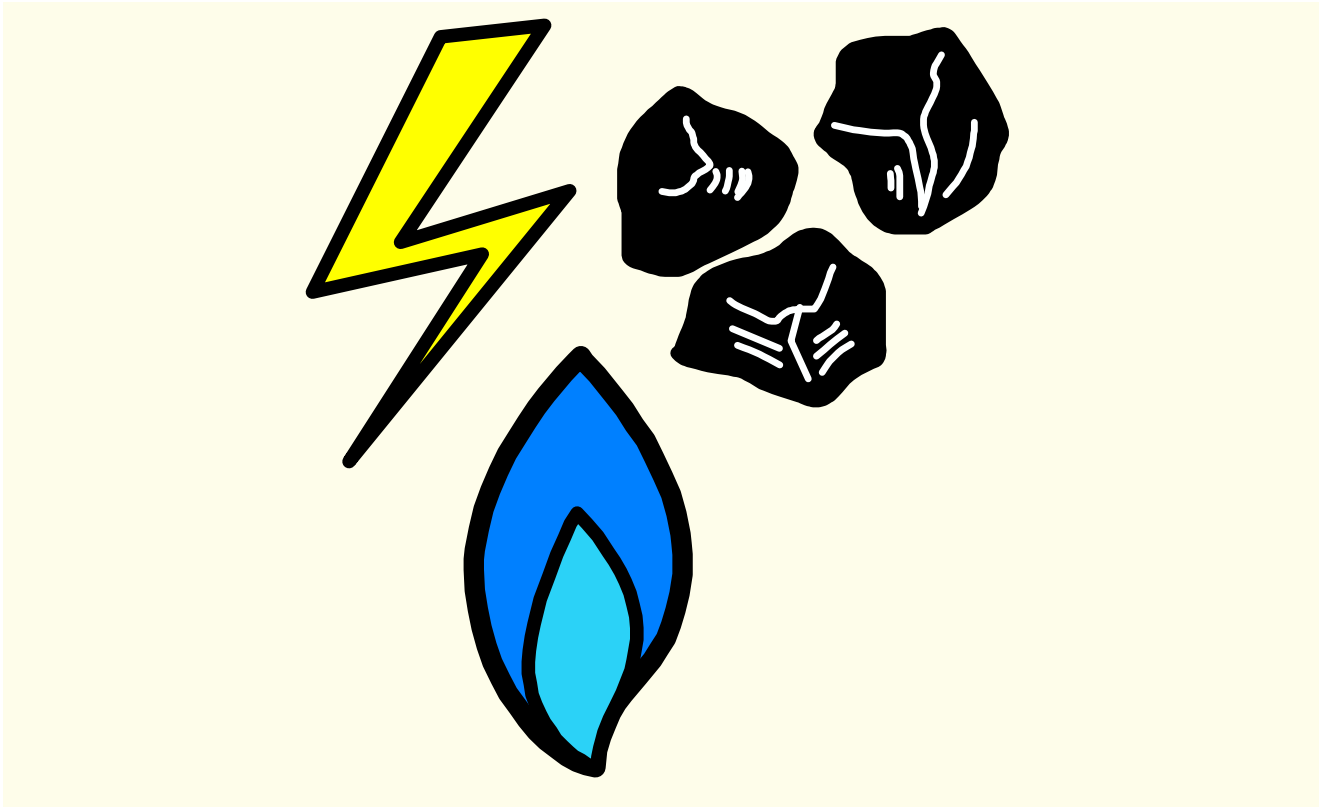


The world's climate has changed many times.

In the past there have been frozen ice ages.

Today the world's climate is warming rapidly.

People are causing this by burning fossil fuels.



Coal, oil and natural gas are called fossil fuels.

We burn these fuels to generate electricity.

We use petrol from oil in cars and lorries.

We use gas for cooking and heating homes.

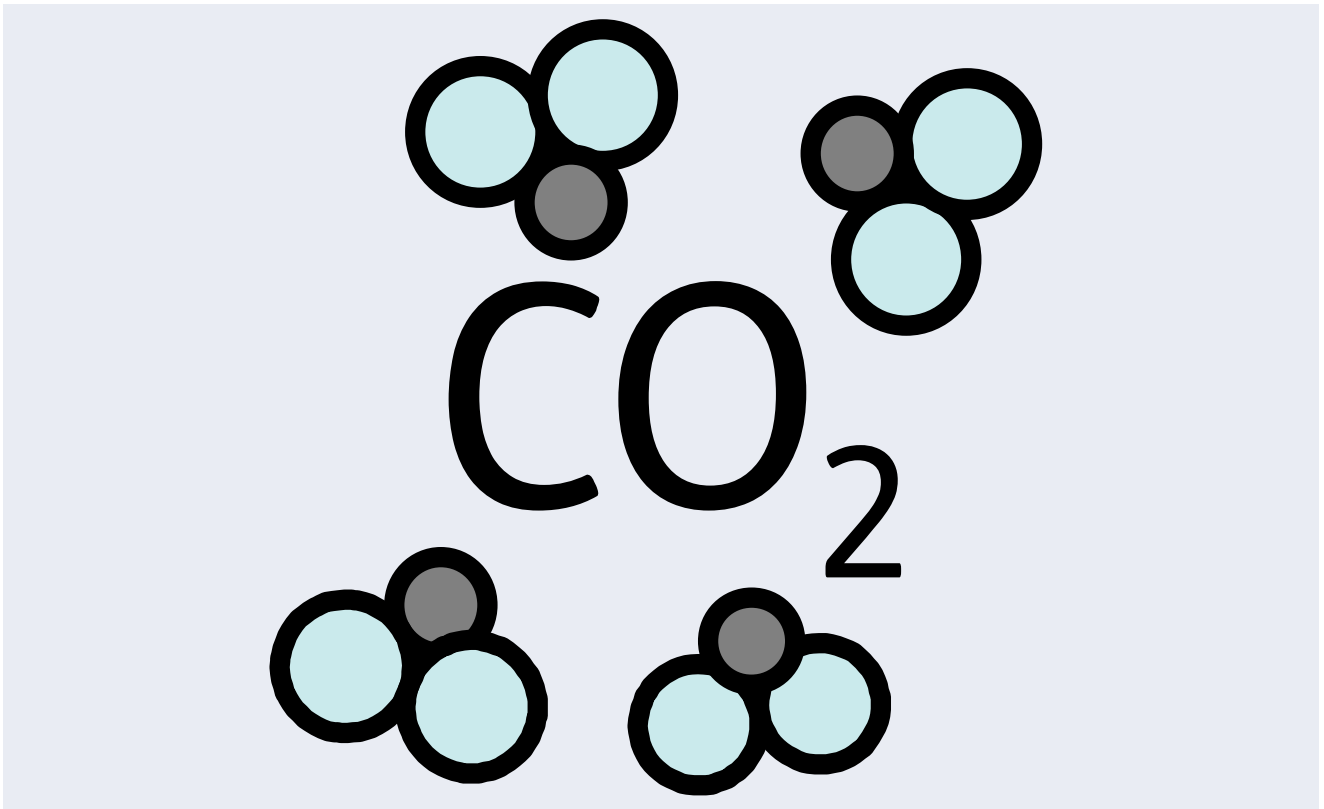


Burning fossil fuels releases a gas called CO₂.

CO₂ is another word for carbon dioxide.

Carbon dioxide is a greenhouse gas.

Greenhouse gases cause the climate to warm.

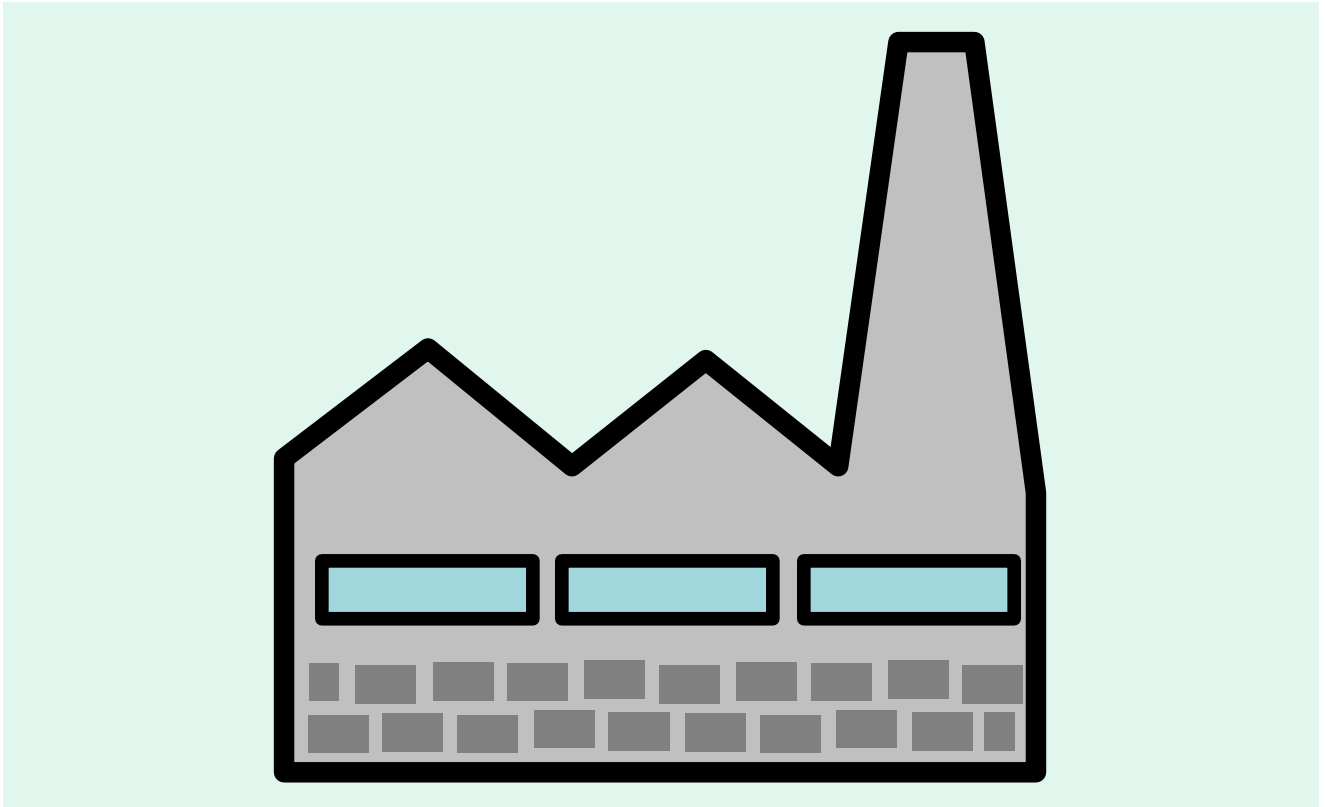


Carbon dioxide is released by burning fossil fuels.

Methane is produced by cattle, chickens and pigs.

Nitrous oxide comes from rocket fuel and fertilisers.

All of these greenhouse gases cause global warming.



We burn fossil fuels to warm our homes.

We use fossil fuels for industry and manufacturing.

We use fossil fuels for travel and cargo.

We use fossil fuels as fertilisers in agriculture.

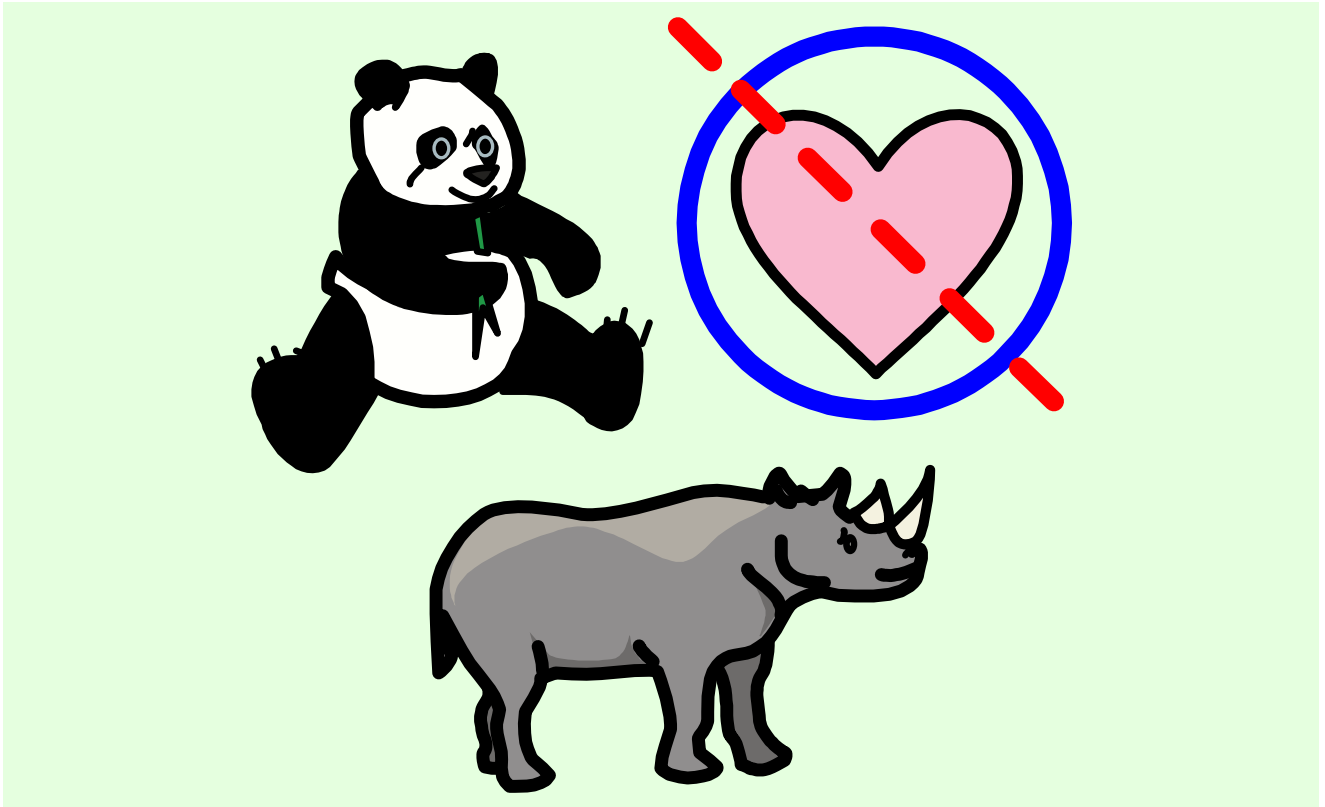


Global warming causes many environmental changes.

The glaciers at the poles are melting.

This is causing sea levels to rise.

There will be more rain fall and more flooding.

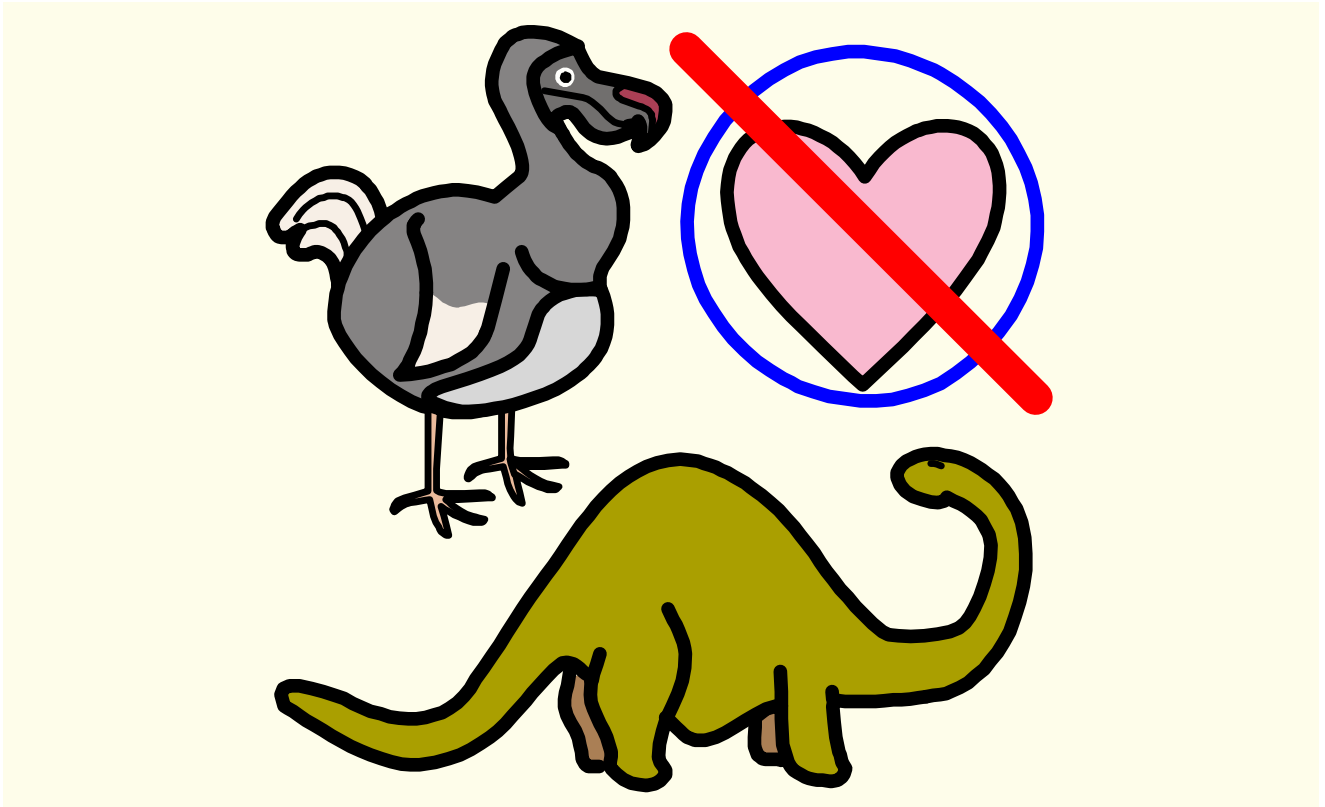


Global warming will change where plants can grow.

Trees and plants will flower much earlier in the year.

Changes to the plants will affect the animal life.

Many animal species are now becoming endangered.



Not reducing climate change will have consequences.

30% of the world's wildlife may become extinct.

Up to 90% of the coral reefs will die.

Agricultural harvests will be badly reduced.

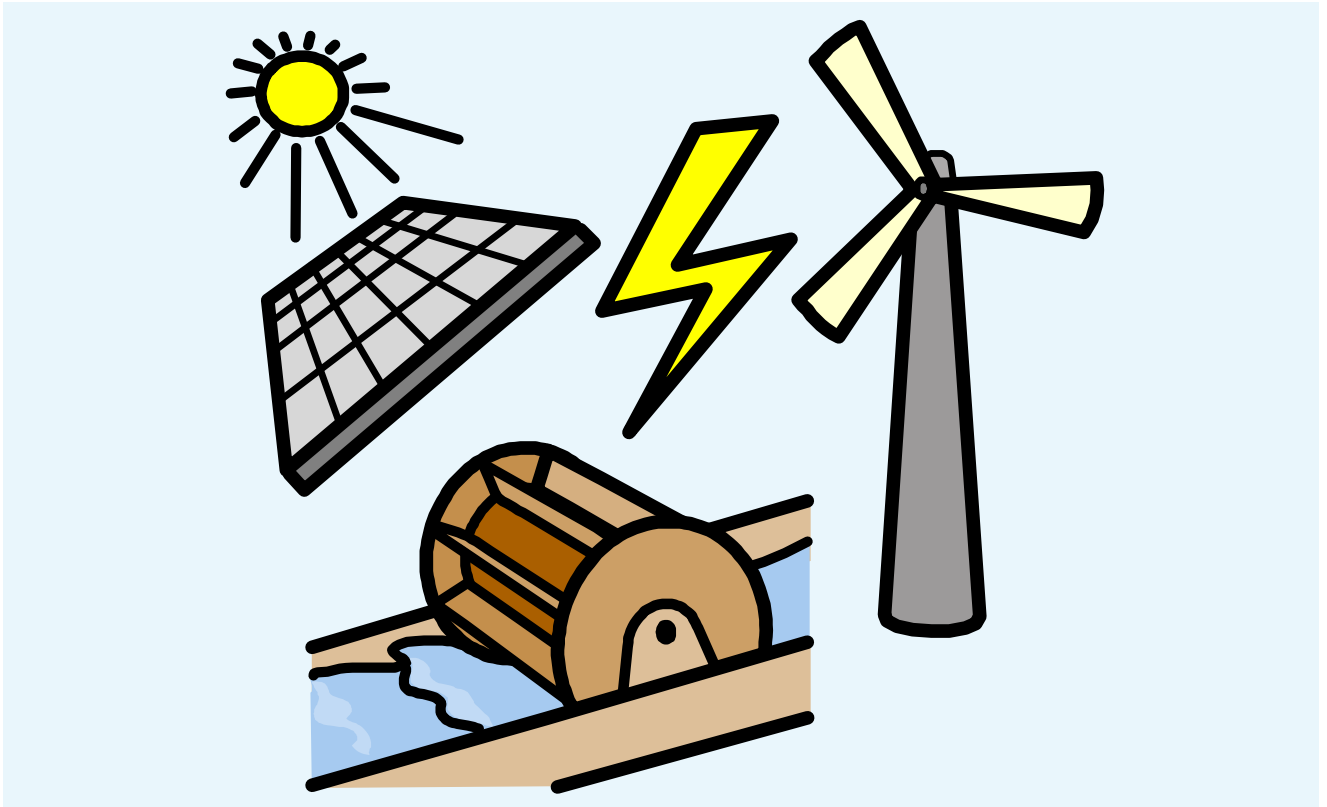


There will be frequent storms and severe weather.

There will be droughts and food shortages.

There will be rising sea levels.

Flooding may destroy cities, farms and countryside.



The UK has committed to reduce carbon emissions.

It has committed to using more renewable energy.

It has committed to more wind and solar farms.

It has committed to changing to electric vehicles.

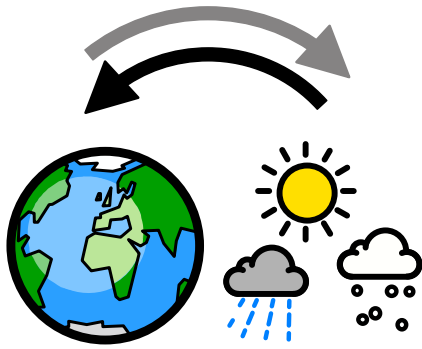


It is vital to reduce greenhouse gas emissions.

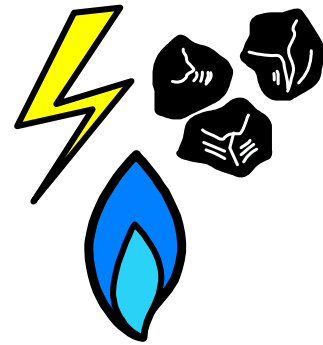
Governments around the world all need to pass laws.

We all need a healthy planet to live happily.

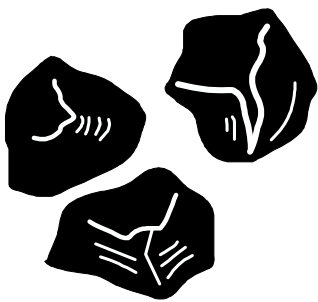
Everyone needs to make changes in their lives.



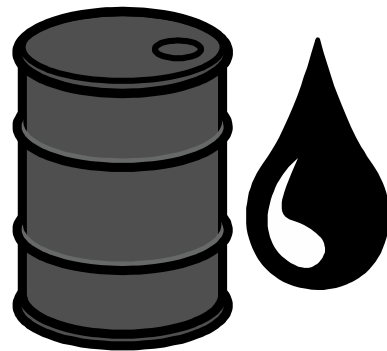
climate change



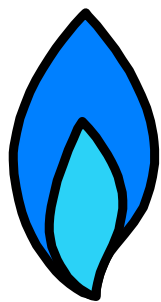
fossil fuels



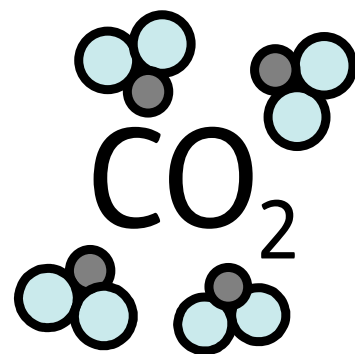
coal



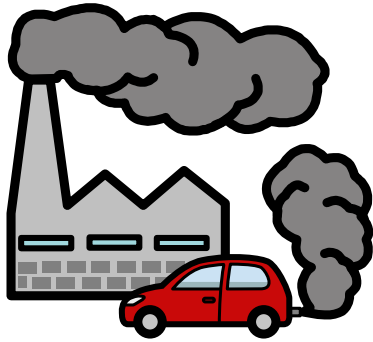
oil



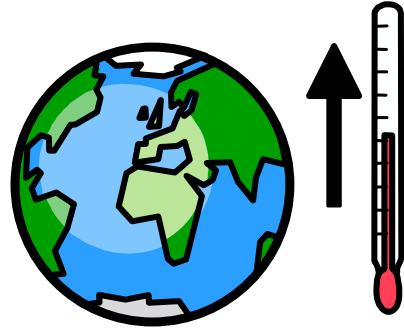
natural gas



CO₂



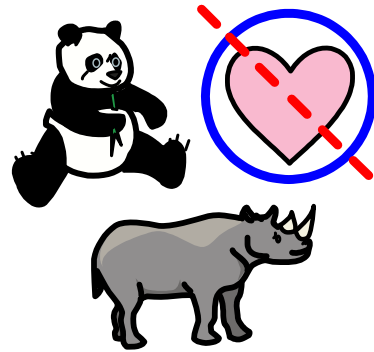
emissions



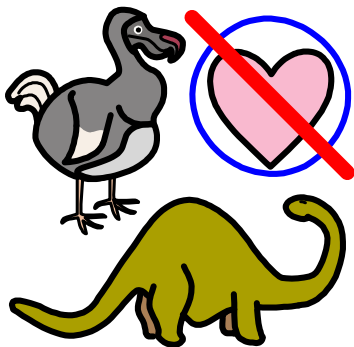
global warming



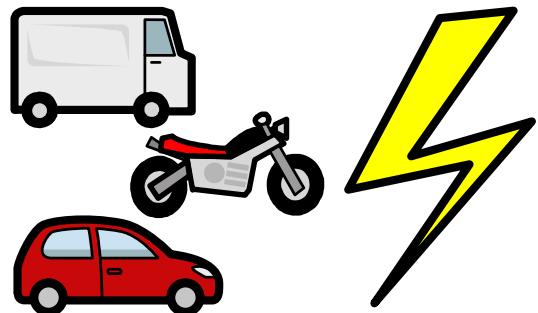
flooding



endangered



extinct



electric vehicles