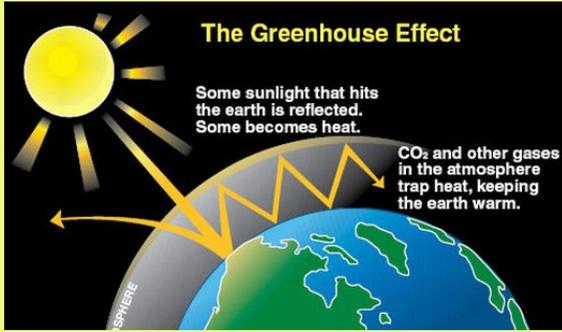


Year 6 – Knowledge Organiser – Australia and climate change

Key Vocabulary

Climate change	A change in global or regional climate patterns.
Greenhouse gas	Gasses including carbon dioxide that trap energy from the sun
Atmosphere	A mix of gasses around the earth.
Fossil Fuels	A natural fuel such as oil and coal formed by organisms that lived long ago.
CO2	Carbon dioxide gas that comes from burning fossil fuels and breathing.
Primary effect	Immediate consequences of something happening.
Secondary effect	Things that occur days, months, years after something happens.
Uluru	Another name for Ayers Rock in Australia.
The Out Back	Desert area in Australia
Continental islands	Islands within the continent of Oceania that were once attached.
Biodiversity	A rich variety of life on earth.

Climate Change



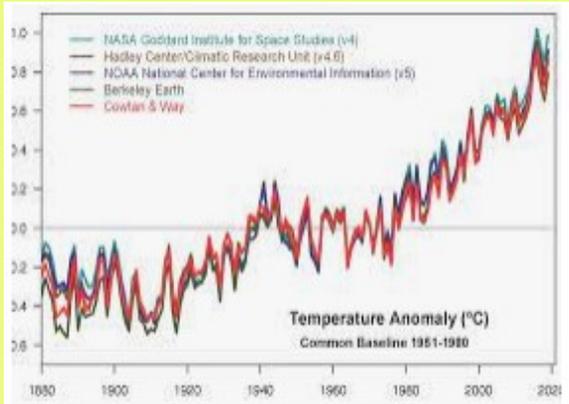
Humans produce **Greenhouse gasses** which create a blanket around the earth. Sunlight travels to earth and bounces off the surface. This is then trapped in the **atmosphere** by the greenhouse gasses. The earth then warms up.

Effects of climate change:

- Increased Sea level due to melting ice sheets.
- Extreme weather including droughts, hurricanes,
- Habitats will be lost due to extreme weather.
- Pests and diseases spread. Mosquitoes love hot weather

Over the last 800,000 years the earths climate has fluctuated with periods of warmer and colder weather. More recently the climate has been rapidly warming. In 100 years the global average temperature has risen bu 1C. This is inline with humans industrial revolution and technological developments as well as increase in population.

Responses to global warming include, better house insulation to use less energy, alternative energy sources, improving public transport, electric cars etc. Governments across the world need to work together to tackle the issues. **There are 196 countries signed up to an agreement.**





Year 6 – Knowledge Organiser – Australia and climate change

Australia



Physical features

Australia is in the **southern hemisphere** and the seasons are the opposite to the UK.

Most of Australia is **desert** which is known as 'The **outback**', where the temperatures can be as high as 50C and as low as -10C.

Australia is the 6th largest country in the world with a **population of 24 million**. It is 22 times bigger than the UK and the UK has a population of 65 million.



The national **flag of Australia** has 3 elements on a blue background. The **Union Jack**, **Commonwealth 7 pointed star** and the **Southern cross** which is a star constellation only visible from the southern hemisphere.

Sydney is Australia's biggest city which is in the south, but its **capital is Canberra** which is based south west of Sydney.

The **Dantree Rainforest** is the oldest rainforest in the world.

Ayres Rock was formed over 600 million years ago and was originally under the sea. It is also known as Ulu-ru. It is as tall as the Empire State Building in New York. It is flat on top with crevices around the sides. It appears to change colour during the day depending on the sun shining on it.

The **Great Barrier Reef** is the largest reef in the world. It is the size of 70 million football pitches. The reef is off the North Eastern coast of Australia. The reef has formed over millions of years. It is protected as it is in danger from climate change and pollution. 50% of it has died in the last 20 years. It is home to extraordinary marine life and is one of the 7 wonders of the world.



Australia is in the **continent of Oceania** which is made up of 14 countries. Including New Zealand, Tonga and the Pacific Islands. Most of Oceania is made up of ocean.

