Key information		Key vocabulary	
 What is climate and climate change? Climate describes the weather conditions that are expected in a region at a particular 	 What is happening to our global climate? The ozone layer is a layer of gas surrounding the Earth's atmosphere that insulates Earth 	Biome	These are distinct biological communities that have formed in response to a shared physical climate.
 Climate change describes a change in the 	 from the power of the Sun. Co2 emissions are eroding the ozone layer 	Climate	The weather in an area.
average conditions — such as temperature and rainfall — in a region over a long period of time.	therefore allowing more of the Sun's rays to reach Earth and increase our global temperature.	Conservation	To save or protect something. To keep things the way they were.
How does location impact climate?	 Co2 can be emitted from cattle, humans, machinery, production of energy, burning of 	Endangered	To be seriously at risk of extinction.
 Climate is dependent on location in relation to the equator, earths tilt and time of year. The distance from the equator affects the 	fossil fuels and vehicles.Over time our global climate is changing and the global temperature has increased.	Temperate	A region or climate that has mild temperatures.
 climate of a place, the closer a place is to the equator the warmer it is. At the poles, energy from the sun reaches the Earth's surface at lower angles and 	Global warming and the greenhouse effect	Tropic of Cancer	This is an imaginary line around the Eartl that runs parallel but 23° north of the equator.
passes through a thicker layer of atmosphere than at the equator. This means the climate is cooler further from	Reflected back to space solar radiation Absorbed by atmosphere	Tropic of Capricorn	This is an imaginary line around the Earth that runs parallel but 23° south of the equator.
the Equator.	Reaches surface Heat radiated	Pollution	Harmful or poisonous substances being introduced to an area.
Re-radiated back from surface back to surface Earth	Habitat	The environment in which an animal or plant normally lives or grows.	
Polar Temporta And Tropical Mediterroneon	Atmosphere How are the rising global temperatures affecting the natural world?	Environmental quality	Varied characteristics that relate to the natural environment as well as the built environment.
What are greenhouse gasses?	 Rising global temperatures can cause extreme weather patterns. 	Equator	An imaginary line around the middle of the Earth. It is halfway between the Nort
 Greenhouse gases are gases in Earth's atmosphere that trap heat. They let 	The increased global temperature is causing environmental change including melting of		Pole and the South Pole, at 0 degrees latitude.
sunlight pass through the atmosphere, but they prevent the heat that the sunlight brings from logging the atmosphere. The	 the polar ice caps and rising sea levels. Environmental change impacts eco-systems, food chains and population of animals. 	Polar	Relating to the North or South Pole.
brings from leaving the atmosphere. The main greenhouse gases are water vapour, carbon dioxide, methane, ozone, nitrous	 Animals such as polar bears, whales, sea turtles and snow leopards are at risk of 	Emissions	The production and discharge of something, especially gas or radiation.

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oxide and chlorofluorocarbons.

turtles and snow leopards are at risk of extinction due to climate change.

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