Year 5 and 6 Knowledge Organiser - Climate Change				
ı	Key vocab  Climate is the long-term temperature expected in a place. Weather is the day-to day conditions which change frequently. Climate change (or global warming), is the process of our planet heating up so that		Exciting books!	
climate:	the long-term expected temperature	temperatures are higher than would be expected. The Earth has warmed by an average of 1°C in the last century, and although that might not sound like much, it has an effect on people and wildlife around the globe. Unfortunately, rising temperatures don't just mean that we'll get nicer weather. The changing climate will make our weather more extreme and unpredictable. As temperatures rise, some areas will get wetter and humans and animals will need to adapt.		CLIMATE EMERGENCY ATLAS
weather:	the day-to day differences in conditions			
adapti	change behaviour	Sticky Knowledge		
carbon dioxide:	a greenhouse gas	Burning fossil fuels such as coal and oil emits carbon dioxide which acts like an invisible greenhouse; making the Earth warmer.	Farming communities in developing countries are facing higher temperatures, increased rain, floods and droughts.	CORPORAD DE LE MONION
methanei	a greenhouse	Farming - methane gas released from 1.5 billion cows worldwide, during excretion, adds to the greenhouse effect.	In Kenya, climate change is making rainfall patterns less predictable. Often there will be droughts followed by large amounts of rain, which makes it difficult to grow crops such as tea.	STORM
gas excretioni	getting rid of waste from the body	Deforestation - trees absorb carbon dioxide but many forests are being cut down and so the carbon dioxide is not absorbed.	Over recent years there have been many attempts to reduce carbon emissions.	TOM HUDDLESTON The state of the
deforestationi	cutting down large areas of trees	A warmer climate could affect our planet in a number of ways.	One method to reduce carbon emissions has been the use of low-energy light bulbs	
carbon emissions	the production and of something, especially gas or radiation	A warmer climate could: - increase rainfall - change the seasons - shrink sea ice - rise sea levels	Another method to reduce carbon emissions has been the use of hybrid and electric vehicles.	APP.
hybrid vehicles	A vehicle that uses two or more types of power.	Climate change is already affecting wildlife all over the world.	Another strategy to reduce carbon emissions has been to use more efficient petrol engines.	P. P. W.
food miles	a unit of measurement of the fuel used to transport food from the producer to the consumer	Polar bears have fewer places to hunt and rest as their habitat (sea ice) is melting.	·There has been a greater emphasis placed on recycling and reusing materials to reduce carbon emissions.	
predictable	Able to be predicted	Orangutang, living in the rainforests of Indonesia, are under threat as their habitat is cut down.	A final strategy used to reduce carbon emissions has been to attempt to reduce 'food miles'.	
communities	a group of people living in the same place or having a particular characteristic in common	Sea turtles lay their eggs on resting beaches, many of which are threatened by rising sea levels.	Over the past 150 years, the average temperature on our planet has increased by just over one degree Celsius.	