

# Protect Our Planet Knowledge Organiser

## Key Vocabulary

<b>environment</b>	Our planet provides everything that we and all living things need. We call it our <b>environment</b> .
<b>climate</b>	<b>Climate</b> is the average weather conditions over many years (usually around 30 years). The earth's <b>climate</b> is just right, meaning that things can live on the planet.
<b>climate change</b>	<b>Climate change</b> is a change in the overall weather and temperature on Earth. (Not the day-to-day weather). The Earth is getting warmer due to some of the things humans are doing. This means it will be more difficult for living things to survive.
<b>atmosphere</b>	The layer of gas surrounding the Earth.
<b>greenhouse gas</b>	<b>Greenhouse gases</b> are special types of gas in the <b>atmosphere</b> . They let sunlight through but stop heat from escaping, like a greenhouse, so the Earth warms up.

## Key Knowledge



**floods**



**droughts**



**storms**



**Melting sea ice**

## Key Vocabulary

<b>energy</b>	<b>Energy</b> makes everything work.
<b>power</b>	Electricity, gas and oil are all sources of <b>power</b> . They give us <b>energy</b> to make things work.
<b>non-renewable</b>	<b>non-renewable power</b> sources such as coal, oil and gas can't be replaced once they have been used. Scientists think these are running out.
<b>renewable</b>	<b>Renewable power</b> sources can be replaced. This means they will never run out. Solar <b>power</b> , wind <b>power</b> , geothermal <b>power</b> , biomass and wave <b>power</b> are all <b>renewable power</b> sources.
<b>endangered</b>	Being <b>endangered</b> means that scientists think that a type of animal or plant is at risk of becoming <b>extinct</b> .
<b>extinct</b>	<b>Extinct</b> means that there are none of that type of animal or plant left alive.

## Key Knowledge



Wind turbines turn the **energy** from the wind into electricity.



Solar panels turn the **energy** from sunshine into electricity.



The **energy** from heat deep underground can be turned into electricity. This is geothermal **energy**.



Biomass means 'natural material'. It is burned to create **energy**.