

Year 6: Science The Environment Knowledge Mat

Subject Specific Vocabulary		Carbon Footprint	Important knowledge
climate	Climate is not the same as weather, but rather, it is the average pattern of weather for a particular region.		<ul style="list-style-type: none"> <input type="checkbox"/> I know how the volume of rainfall has changed in the Northwest of England since the 1800s. <input type="checkbox"/> I know how the temperature has changed in the Northwest of England.
precipitation	Precipitation is water that falls to the earth as hail, mist, rain, sleet, or snow.		<ul style="list-style-type: none"> <input type="checkbox"/> I know what a fossil fuel is. <input type="checkbox"/> I know how fossil fuels create greenhouse gases which contribute towards climate change. <input type="checkbox"/> I know the names of extreme weather: floods, tsunamis, hurricanes, tornadoes, tropical cyclones, mudslides.
fossil fuels	A fossil fuel is a natural substance formed from the buried remains of ancient organisms that can be used as a source of energy.		<ul style="list-style-type: none"> <input type="checkbox"/> I know where extreme weather occurs. <input type="checkbox"/> I know the impact that extreme weather can have on human life.
greenhouse gases	Greenhouse gases are gases in Earth's atmosphere that trap heat.	Precipitation	
extreme weather	Weather conditions that are beyond normal parameters.		<ul style="list-style-type: none"> <input type="checkbox"/> I know that a carbon footprint is the term used to describe the amount of energy used. <input type="checkbox"/> I know the negative impact that high carbon footprints can have on human life and the planet.
tsunami	A large ocean wave usually caused by an underwater earthquake or a volcanic explosion.		<ul style="list-style-type: none"> <input type="checkbox"/> I can identify the range and intervals that I need to use for a set of measurements. <input type="checkbox"/> I can use the results from my investigation and the knowledge I have acquired during my research to form a conclusion.
tropical cyclone	A circular storm that forms over warm oceans.		<ul style="list-style-type: none"> <input type="checkbox"/> I can evaluate my research. <input type="checkbox"/> I can separate fact from fiction or opinion.
mudslide	Debris that accelerates down a hill or slope during periods of intense rainfall or rapid snowmelt.		<ul style="list-style-type: none"> <input type="checkbox"/> I can decide on the best way to present what I have found out.
greenhouse gases	Greenhouse gases are gases in Earth's atmosphere that trap heat.		
carbon footprint	Your carbon footprint is the amount of greenhouse gas released into the air because of your own energy needs.		