

Year 11: ASK Yourself!

Subject: Chemistry Unit: 9 – The Atmosphere

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
S kills				
	<p>To be able to describe the greenhouse gases.</p> <p>To be able to describe the ideas about the Earth's early atmosphere.</p> <p>To be able to describe how emissions of carbon dioxide can be reduced.</p> <p>To be able to describe how emissions of methane can be reduced.</p>	<p>To be able to explain the greenhouse effect.</p> <p>To be able to describe the main changes in the atmosphere over time.</p> <p>To be able to describe some of the likely causes of atmospheric changes.</p> <p>To be able to discuss the scale of global climate change.</p> <p>To be able to discuss the environmental implications of climate change.</p>	<p>To be able to interpret evidence about the Earth's early atmosphere.</p> <p>To be able to recognise the importance of peer review of the results and communicating results to a wide range of audiences.</p> <p>To be able to discuss the scale of global climate change.</p>	<p>To be able to evaluate different theories about earth's early atmosphere.</p> <p>To be able to evaluate the quality of evidence in a report about global climate change.</p> <p>To be able to predict the products of combustion of a fuel knowing the composition of the fuel.</p>
K nowledge				
	<p>To be able to identify gases of the atmosphere.</p> <p>To be able to recall the equation for photosynthesis.</p> <p>To be able to describe some of the unwanted products of combustion.</p>	<p>To be able to recall the proportions of gases in the atmosphere.</p> <p>To be able to identify the processes allowing oxygen levels to increase.</p> <p>To be able to describe uncertainties in the evidence about</p>	<p>To be able to explain how the balance of the gases in the atmosphere is maintained.</p> <p>To be able to explain how ancient levels of carbon dioxide are measured.</p>	<p>To be able to explain the role of algae in the composition of the atmosphere.</p> <p>To be able to explain the greenhouse effect as interaction of radiation with matter.</p> <p>To be able to predict the products of combustion of a</p>



global climate
change.



fuel knowing the
conditions in which
it is used.