

AQA Trilogy Chemistry Paper 2		Covered in Lesson	Diagnosis			Revised		
C4.9 Chemistry of the atmosphere			R	A	G	1	2	3
4.9.1 The composition and evolution of the Earth's atmosphere	Describe the composition of gases in the Earth's atmosphere using percentages, fractions or ratios							
	Describe how early intense volcanic activity may have helped form the early atmosphere and how the oceans formed							
	Explain why the levels of carbon dioxide in the atmosphere changes as the oceans were formed							
	State the approximate time in Earth's history when algae started producing oxygen and describe the effects of a gradually increasing oxygen level							
	Explain the ways that atmospheric carbon dioxide levels decreased							
4.9.2 Carbon dioxide and methane as greenhouse gases	Name some greenhouse gases and describe how they cause an increase in Earth's temperature							
	List some human activities that produce greenhouse gases							
	Evaluate arguments for and against the idea that human activities cause a rise in temperature that results in global climate change							
	State some potential side effects of global climate change, including discussing scale, risk and environmental implications							
	Define the term carbon footprint and list some actions that could reduce the carbon footprint							
4.9.3 Common atmospheric pollutants and their sources	Describe the combustion of fuels as a major source of atmospheric pollutants and name the different gases that are released when a fuel is burned							
	Predict the products of combustion of a fuel given appropriate information about the composition of the fuel and the conditions in which it is used							
	Describe the properties and effects of carbon monoxide, sulfur dioxide and particulates in the atmosphere							
	Describe and explain the problems caused by increased amounts of these pollutants in the air							