

AQA Chemistry Paper 2		Covered in Lesson	Diagnosis			Revised		
C4.10 Using resources			R	A	G	1	2	3
4.10.1 Using the Earth's resources and obtaining potable water	State what humans use Earth's resources for, give some examples of natural resources that they use							
	Define the term finite and distinguish between finite and renewable resources							
	Explain what sustainable development is and discuss the role chemistry plays in sustainable development, including improving agricultural and industrial processes							
	State examples of natural products that are supplemented or replaced by agricultural and synthetic products							
	Discuss the importance of water quality for human life, including defining potable water							
	Describe methods to produce potable water, including desalination of salty water or sea water and the potential problems of desalination							
	Required practical 8: analysis and purification of water samples from different sources, including pH, dissolved solids and distillation.							
	Describe waste water as a product of urban lifestyles and industrial processes that includes organic matter, harmful microbes and harmful chemicals							
	Describe the process of sewage treatment and compare the ease of obtaining potable water from waste water as opposed to ground or salt water							
	HT ONLY: Name and describe alternative biological methods for extracting metals, including phytomining and bioleaching							
HT ONLY: Evaluate alternative methods for extracting metals								
4.10.2 Life cycle assessment and recycling	Describe, carry out and interpret a simple comparative life cycle assessment (LCA) of materials or products							
	Discuss the advantages and disadvantages of LCAs							
	Carry out simple comparative LCAs for shopping bags made from plastic and paper							
	Discuss how to reduce the consumption of raw resources and explain how reusing and recycling reduces energy use (inc environmental impacts)							

