

Subject	Year 10 Chemistry Threshold Concepts – Summer Term	• How to support students' learning
Using resources	<p>Using the Earth's resources and obtaining potable water</p> <p>Using the Earth's resources and sustainable development</p> <p>Students should be able to:</p> <ul style="list-style-type: none"> • State examples of natural products that are supplemented or replaced by agricultural and synthetic products • Distinguish between finite and renewable resources given appropriate information • Extract and interpret information about resources from charts, graphs and tables <p>Potable water</p> <ul style="list-style-type: none"> • Distinguish between potable water and pure water • Describe the differences in treatment of ground water and salty water • Give reasons for the steps used to produce potable water <p>Waste water treatment</p> <ul style="list-style-type: none"> • Students should be able to comment on the relative ease of obtaining potable water from waste, ground and salt water 	<p>Encourage your child to watch this video on finite and renewable resources Natural Resources: Finite & Renewable Resources GCSE Chemistry(9-1) kayscience.com - YouTube</p> <p>Encourage your child to visit BBC bitesize to read about potable water and how water is treated Potable water - Water - AQA Synergy - GCSE Combined Science Revision - AQA Synergy - BBC Bitesize</p>

	<p>Alternative methods of extracting metals (HT only)</p> <ul style="list-style-type: none">• <i>Students should be able to evaluate alternative biological methods of metal extraction, given appropriate information</i> <p>Life cycle assessment and recycling</p> <p>Life cycle assessment</p> <ul style="list-style-type: none">• Students should be able to carry out simple comparative LCAs for shopping bags made from plastic and paper <p>Ways of reducing the use of resources</p> <ul style="list-style-type: none">• Students should be able to evaluate ways of reducing the use of limited resources, given appropriate information	<p>Encourage your child to watch this video on life cycle assessments GCSE Chemistry - Life Cycle Assessments (LCAs) #73 - YouTube</p>
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