



## Year 10 - Chemistry – Summer Term 1 – KNOWLEDGE OVERVIEW

Year group:	Unit:	Resources		
Week beginning:	Big question / concept:	Learning intentions:	Offline: Can be found in the following area:	Online including links on how to access these:
26/04/21	Can reactions decrease the reactions of the surroundings?	State whether reactions are endothermic or exothermic Identify reactions that are endothermic and exothermic Describe what happens to the surroundings Explain	Read and make notes on slide 1-3 Attempt the questions on slide 5 Check your responses on slide 7-8	Please watch the following lesson: <a href="https://classroom.thenational.academy/lessons/exothermic-and-endothermic-reactions-cgw32t">https://classroom.thenational.academy/lessons/exothermic-and-endothermic-reactions-cgw32t</a>
03/05/21	Can we log how a reaction proceeds ?	State how a chemical reaction happens. Define the term activation reaction Describe the reaction profile of an endothermic and exothermic reaction	Read and make notes on slide 10-14 Attempt the questions on slide 16-17 Check your responses on slide 19-20	Please watch the following lesson: <a href="https://classroom.thenational.academy/lessons/energy-level-diagrams-cgv68e?activity=video&amp;step=2&amp;view=1">https://classroom.thenational.academy/lessons/energy-level-diagrams-cgv68e?activity=video&amp;step=2&amp;view=1</a>
10/05/21	How do reactions happen?	State that reactions happen when bonds break and the form Work out the overall energy change and deduce if the a reaction is endothermic or exothermic	Read and make notes on slide 20-26 Attempt the questions on slide 28-29 Check your responses on slide 31-32	Please watch the following lesson: <a href="https://classroom.thenational.academy/lessons/calculating-bond-energies-68tker">https://classroom.thenational.academy/lessons/calculating-bond-energies-68tker</a>

17/05/21	Review of topic	Review of Topic	<p>You can design a</p> <ul style="list-style-type: none"> <li>• Mind map</li> <li>• Leaflet</li> <li>• Poster</li> </ul> <p>On the whole topic you have covered in the previous weeks.</p>	<p>Please watch the following lesson:  <a href="https://classroom.thenational.academy/lessons/review-chemistry-6tgket">https://classroom.thenational.academy/lessons/review-chemistry-6tgket</a></p> <p>You can design a</p> <ul style="list-style-type: none"> <li>• Mind map</li> <li>• Leaflet</li> <li>• Poster</li> </ul>
24/05/21	Can fuels cells going to revolutionize the world?	<p>State what a fuel cell is</p> <p>Describe how a fuel cell works</p> <p>Explain how the cell produces electricity</p>	<p>Read and make notes on slide 34-35</p> <p>Attempt the questions on slide 37-38</p> <p>Check your responses on slide 40-41</p>	<p>Please watch the following lesson:  <a href="https://classroom.thenational.academy/lessons/fuel-cells-cguk4d">https://classroom.thenational.academy/lessons/fuel-cells-cguk4d</a></p>