



## Home Learning during self isolation

### Y10 Science

Week Beginning	Topic(s) taught in school	Oak National Academy Lesson
19 <sup>th</sup> October	Plant Organ Systems  The pH Scale and Neutralisation  Energy Transfers and the National Grid	Plant Roots: <a href="https://classroom.thenational.academy/lessons/plant-roots-61k3jr">https://classroom.thenational.academy/lessons/plant-roots-61k3jr</a>  Transport in Plants: <a href="https://classroom.thenational.academy/lessons/transport-in-plants-6rr38c">https://classroom.thenational.academy/lessons/transport-in-plants-6rr38c</a>  Acids, Alkalis and the pH Scale: <a href="https://classroom.thenational.academy/lessons/acids-alkalis-and-the-ph-scale-chj38c">https://classroom.thenational.academy/lessons/acids-alkalis-and-the-ph-scale-chj38c</a>  Strong and Weak Acids: <a href="https://classroom.thenational.academy/lessons/strong-and-weak-acids-ctk34d">https://classroom.thenational.academy/lessons/strong-and-weak-acids-ctk34d</a>  Domestic Electricity: <a href="https://classroom.thenational.academy/lessons/domestic-electricity-c4rp8t">https://classroom.thenational.academy/lessons/domestic-electricity-c4rp8t</a>



		<p>The National Grid: <a href="https://classroom.thenational.academy/lessons/the-national-grid-c4rp6t">https://classroom.thenational.academy/lessons/the-national-grid-c4rp6t</a></p>
2 <sup>nd</sup> November	<p>Communicable Diseases</p> <p>The Process of Electrolysis</p> <p>Density</p>	<p>Infectious Disease: <a href="https://classroom.thenational.academy/lessons/infectious-disease-6wu3ce">https://classroom.thenational.academy/lessons/infectious-disease-6wu3ce</a></p> <p>Electrolysis of Molten Compounds: <a href="https://classroom.thenational.academy/lessons/electrolysis-of-molten-compounds-cgw66t">https://classroom.thenational.academy/lessons/electrolysis-of-molten-compounds-cgw66t</a></p> <p>Density of Solids: <a href="https://classroom.thenational.academy/lessons/density-of-solids-60w3at">https://classroom.thenational.academy/lessons/density-of-solids-60w3at</a></p> <p>Density of Liquids: <a href="https://classroom.thenational.academy/lessons/density-of-liquids-64tp8c">https://classroom.thenational.academy/lessons/density-of-liquids-64tp8c</a></p>



9 <sup>th</sup> November	Diseases  Using Electrolysis  Changes of State and Internal Energy	Viral and Bacterial Disease: <a href="https://classroom.thenational.academy/lessons/viral-and-bacterial-disease-68v3at">https://classroom.thenational.academy/lessons/viral-and-bacterial-disease-68v3at</a>  Extraction of Aluminium: <a href="https://classroom.thenational.academy/lessons/extraction-of-aluminium-68w38r">https://classroom.thenational.academy/lessons/extraction-of-aluminium-68w38r</a>  Internal Energy: <a href="https://classroom.thenational.academy/lessons/internal-energy-70t6ad">https://classroom.thenational.academy/lessons/internal-energy-70t6ad</a>
16 <sup>th</sup> November	Diseases (continued)  Electrolysis of Aqueous Solutions  Specific Heat Capacity	Fungal and Protist Disease: <a href="https://classroom.thenational.academy/lessons/fungal-and-protist-disease-6xk3gt">https://classroom.thenational.academy/lessons/fungal-and-protist-disease-6xk3gt</a>  Electrolysis of Solutions: <a href="https://classroom.thenational.academy/lessons/electrolysis-of-solutions-cmv3ge">https://classroom.thenational.academy/lessons/electrolysis-of-solutions-cmv3ge</a>  Developing and Electrolysis Hypothesis: <a href="https://classroom.thenational.academy/lessons/developing-an-electrolysis-hypothesis-6rw3gd">https://classroom.thenational.academy/lessons/developing-an-electrolysis-hypothesis-6rw3gd</a>



		<p>Specific Heat Capacity: <a href="https://classroom.thenational.academy/lessons/specific-heat-capacity-chhp6r">https://classroom.thenational.academy/lessons/specific-heat-capacity-chhp6r</a></p> <p>Specific Heat Capacity Required Practical: <a href="https://classroom.thenational.academy/lessons/specific-heat-capacity-required-practical-69j66r">https://classroom.thenational.academy/lessons/specific-heat-capacity-required-practical-69j66r</a></p>
23 <sup>rd</sup> November	<p>Human Defence Systems</p> <p>Half Equations</p> <p>Specific Latent Heat</p>	<p>Immunity: <a href="https://classroom.thenational.academy/lessons/immunity-cn3ad">https://classroom.thenational.academy/lessons/immunity-cn3ad</a></p> <p>Vaccines: <a href="https://classroom.thenational.academy/lessons/vaccines-70u6cc">https://classroom.thenational.academy/lessons/vaccines-70u6cc</a></p> <p>Electrolysis Half Equations: <a href="https://classroom.thenational.academy/lessons/electrolysis-half-equations-c8r6ar">https://classroom.thenational.academy/lessons/electrolysis-half-equations-c8r6ar</a></p> <p>Electrolysis Review: <a href="https://classroom.thenational.academy/lessons/electrolysis-review-c4w38r">https://classroom.thenational.academy/lessons/electrolysis-review-c4w38r</a></p>



		Latent Heat: <a href="https://classroom.thenational.academy/lessons/latent-heat-chjk2r">https://classroom.thenational.academy/lessons/latent-heat-chjk2r</a>
30 <sup>th</sup> November	Human Defence Systems (continued)  Conservation of Mass  Particle Motion in Gases	Antibiotics: <a href="https://classroom.thenational.academy/lessons/antibiotics-6gv62c">https://classroom.thenational.academy/lessons/antibiotics-6gv62c</a>  Relative Formula Mass: <a href="https://classroom.thenational.academy/lessons/relative-formula-mass-ht-only-6gtp8d">https://classroom.thenational.academy/lessons/relative-formula-mass-ht-only-6gtp8d</a>  Moles and Avogadro's Constant: <a href="https://classroom.thenational.academy/lessons/moles-and-avogadros-constant-ht-only-chj3jt">https://classroom.thenational.academy/lessons/moles-and-avogadros-constant-ht-only-chj3jt</a>  Gas Pressure: <a href="https://classroom.thenational.academy/lessons/gas-pressure-69hp6r">https://classroom.thenational.academy/lessons/gas-pressure-69hp6r</a>
7 <sup>th</sup> December	Monoclonal Antibodies  Chemical Measurements	Monoclonal Antibodies: <a href="https://classroom.thenational.academy/lessons/monoclonal-antibodies-6djp2t">https://classroom.thenational.academy/lessons/monoclonal-antibodies-6djp2t</a>



	Pressure in Gases	<p>Maths Skills: <a href="https://classroom.thenational.academy/lessons/maths-skills-6nj6cc">https://classroom.thenational.academy/lessons/maths-skills-6nj6cc</a></p> <p>Reacting Masses: <a href="https://classroom.thenational.academy/lessons/reacting-masses-ht-only-69jk4d">https://classroom.thenational.academy/lessons/reacting-masses-ht-only-69jk4d</a></p> <p>Atom Economy: <a href="https://classroom.thenational.academy/lessons/atom-economy-6mt3ac">https://classroom.thenational.academy/lessons/atom-economy-6mt3ac</a></p> <p>Pressure and Volume: <a href="https://classroom.thenational.academy/lessons/pressure-and-volume-part-2-6xhkjr">https://classroom.thenational.academy/lessons/pressure-and-volume-part-2-6xhkjr</a></p> <p>Physics Review: <a href="https://classroom.thenational.academy/lessons/review-part-1-6mupcr">https://classroom.thenational.academy/lessons/review-part-1-6mupcr</a></p>
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