**Chemistry Paper 1 February PPE Revision (30 topics)**

Go to [www.freesciencelessons.co.uk](http://www.freesciencelessons.co.uk) 🡪 Chemistry Paper 1

Locate and watch each of the videos and take detailed notes, including any diagrams

**Video 1: Acids and Alkalis [C4]**

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**Video 2: Required Practical 1- Making Soluble Salts [C4]**

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**Video 3: Interpreting a Chemical Formula [C1]**

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**Video 4: Atomic Number and Mass Number [C1]**

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**Video 5: Group 1 Part 1 [C1]**

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**Video 6- Transition Elements (Triple) [C1]**

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**Video 7- Extraction of Metals [C4]**

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**Video 8- Atom Economy (Triple) [C3]**

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**Video 9- Cells and Batteries (Triple) [C5]**

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**Video 10- Fuel Cells (Triple) [C5]**

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**Video 11- The Nuclear Model [C1]**

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**Video 12- Relative Atomic Mass [C1]**

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**Video 13- Required Practical 4- Temperature Changes [C5]**

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**Video 14- Exothermic and Endothermic [C5]**

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**Video 15- Introducing Electrolysis [C4]**

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**Video 16- Graphite [C2]**

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**Video 17- Using gas volumes 1 (Triple) [C3]**

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**Video 18- Group 7 Part 2 [C1]**

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**Video 19- Group 7 Part 3 [C1]**

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**Video 20- Properties of Small Covalent Molecules [C2]**

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**Video 21- Bond Energy Calculations 1 [C5]**

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**Video 22- Group 0 [C1]**

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**Video 23- Properties of ionic compounds [C2]**

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**Video 24- Oxidation and Reduction in terms of electrons [C4]**

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**Video 25- Limiting Reactant [C3]**

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**Video 26- Calculating percentage yield 1 (Triple) [C3]**

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**Video 27- Strong and Weak Acids [C4]**

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**Video 28- Required Practical 2: Carrying out a Titration (Triple) [C4]**

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**Video 29- Titration Calculations 1 (Triple) [C4]**

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**Video 30- Using Concentrations of Solutions 1 (Triple) [C3]**

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