

Year 10 Chemistry Higher Assessment Autumn 2023 Revision List

Atomic Structure & Periodic Table

- Protons, neutrons and electron including electron structure
- Group 1 elements & their reactions

<https://www.bbc.co.uk/bitesize/topics/zxnftv4>

Structure and Bonding

- Ionic, Covalent and Metallic bonding
- Ionic formula

<https://www.bbc.co.uk/bitesize/topics/zxnftv4>

Chemical Changes

- Naming and making salts (MASFECD)
- Neutralisation – including ions for acids and alkalis
- pH scale
- Electrolysis of molten ionic compounds
- Electrolysis of aqueous solutions
- Extraction of aluminium from aluminium oxide

<https://www.bbc.co.uk/bitesize/topics/zcdj97h>

Skills

- Calculating uncertainty and % uncertainty
- Accuracy of equipment used to measure volume
- Plotting a graph using a suitable scale
- Drawing a line of best fit
- Analysis of graphs (describing trends)
- Completing half equations in electrolysis