

Get ready for Chemistry

About the subject

A Level Chemistry allows you to develop a greater understanding of the world around us by an in-depth study of the composition of substances, the investigation of their properties and reactions and the use of such reactions to form new substances.

The course is split into six modules which include: the development of practical skills, foundations in chemistry, periodic table and energy, core organic chemistry, physical chemistry, transition elements and organic chemistry and analysis.

Your tasks

Before you start your Chemistry lessons you will need to be confident in the content covered in year 10 and 11. We would like you to look at some of the following topics that were covered in year 10 and 11 and create a summary page for each topic.

The topics are:

- Atomic structure and the periodic table
- Bonding Structure and the properties of matter
- Acids, bases and salts
- Chemical and energy changes
- Organic chemistry

One of the first topics in the A level Chemistry course is about calculations in chemistry relating to the mole concept to measurable quantities such as mass and volume.

Please complete the “Chemical calculations multiple choice quiz [https://www.barnsleysixthformcollege.co.uk/app/uploads/2020/04/Chemical_calculations_MCQ.pdf] ” then submit and check your answers using this link [https://forms.office.com/Pages/ResponsePage.aspx?id=qm3krgo4gEiLZ_QvcCrT8p9WkZ9Qc6RNjViv4f2s4uRUQlBDOUpCrlowVzREVFITtjUwTElVVVRTTS4u] .

Please also complete the “Atomic structure and periodic table multiple choice quiz [https://www.barnsleysixthformcollege.co.uk/app/uploads/2020/04/AtomicStructure_periodictable_MCQ.pdf] ” then submit and check your answers using this link [https://forms.office.com/Pages/ResponsePage.aspx?id=qm3krgo4gEiLZ_QvcCrT8p9WkZ9Qc6RNjViv4f2s4uRUNEc1MjVDWVBPMFlJWVUyNThUN01FOURBWS4u] .

Essential reading

Please download the FREE KINDLE EDITION of CGP Head Start to A-Level Chemistry from the

following link:

CGP Headstart to A-Level Chemistry [https://www.amazon.co.uk/Head-Start-level-Chemistry-Level-ebook/dp/B00VE2NIGG/ref=sr_1_2?dchild=1&keywords=cgp+headstart&qid=1585576356&s=books&sr=1-2]

Oxford A Level Sciences CGSE transition to A Level Chemistry [http://fdslive.oup.com/www.oup.com/oxed/secondary/science/Science_A_Level_Transition_Pack_Chemistry.pdf]

Useful websites and other resources

AQA GCSE [<https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/>]

<https://www.chemguide.co.uk/> [<https://www.chemguide.co.uk/>]

2. OCR Revision Guides [<https://chemrevise.org/ocr-revision-guides/>]

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Any questions?

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