

## **Introduction to A Level Chemistry- Bridging work**

In your first chemistry lesson there will be a test on essential knowledge needed to be successful on the course. This test will be on GCSE combined science content. Below is a list of topics that will appear on the test. It is recommended you revise these topics, so you are prepared.

- Structure of an atom
- Definition of an isotope
- Calculating Mr and calculating the number of moles
- Charges of elements in groups 1,7 and 0
- Definition of strong and weak acids
- Reactions of acids with metal/oxides/carbonates reactions
- Definitions of oxidation and reduction
- Electron structure of elements
- Differences between ionic/covalent/metallic bonding
- Properties of ionic, metallic, giant covalent and simple covalent structures
- Differences between exothermic/endothermic reactions
- Definitions of alkanes, alkenes and testing for alkenes

### Resources

Please use the list of resources below to help you prepare

1. BBC Bitesize- GCSE Combined Science Trilogy: [GCSE Combined Science - AQA Trilogy - BBC Bitesize](#)
2. Cognito Videos : [GCSE Chemistry \(9-1\) - YouTube](#)
3. Cognito Exam practice: [Cognito Resources - Past Papers - GCSE > Qs by Topic > Chemistry > AQA](#)
4. Seneca: Course: Combined Science Chemistry: AQA GCSE Higher
5. CGP Revision Guides
6. Youtube @Freesciencelessons
7. Youtube @PrimroseKitten

