



Information for Students, Parents/Carers at Bexleyheath Academy

Year 10 Chemistry | Term 1 Homework Overview

How do we count atoms and molecules?

Week	Exploration Question(s)	Activities
1	What happens to mass during a chemical reaction?	Combined Science Chemistry: AQA GCSE Higher 1.1.1 Elements & Compounds 1.1.2 Chemical Reactions & Equations 1.1.4 Model of the Atom 1.1.5 Atom Size & Number
2	Can we measure the mass of an atom?	Combined Science Chemistry: AQA GCSE Higher 1.1.6 Isotopes (Preview) 3.1.1 Relative Formula Mass 3.1.2 Measuring Mass Combined Science Chemistry: AQA GCSE Higher - HyperLearning 1.1.7 Isotopes HyperLearning
3	What percentage of an element is present in a compound?	Combined Science Chemistry: AQA GCSE Higher 3.1.3 Equations & Formula Combined Science Chemistry: AQA GCSE Higher - Diagnostic Misconceptions 3.1.1 Calculating relative formula mass
4	Why are moles important for chemists?	Combined Science Chemistry: AQA GCSE Higher 3.1.4 Moles 3.1.5 Moles 2
5	What mass of product will I produce with my reactants?	Combined Science Chemistry: AQA GCSE Higher - Diagnostic Misconceptions 3.1.2 Understanding what 1 mole of a substance is Combined Science Chemistry: AQA GCSE Higher - HyperFlashcards

		3.1.1 Chemical Measurements HyperFlashcards 3.1.2 Chemical Measurements 2 HyperFlashcards
6	Try Now	Combined Science Chemistry: AQA GCSE Higher - HyperLearning 3.1.1 Measuring Mass HyperLearning (Preview) 3.1.2 Moles HyperLearning (Preview)
7	How do we balance equations using moles?	Combined Science Chemistry: AQA GCSE Higher - HyperLearning 2.1.1 Types of Bonds HyperLearning (Preview) 2.2.1 States of Matter & Changing State HyperLearning (Preview) 2.3.1 Metals HyperLearning (Preview) 2.3.2 Carbon Structures HyperLearning (Preview)