



# KS4 Chemistry Homework

## AQA Foundation Tier Trilogy



Create a set of revision notes for the topic that is stated.  
Your teacher will provide you with an exam question on that topic during lesson when the homework is complete.

Date set	Topic	CGP Revision guide page number	Evidence
<b>C1 – Atomic structure and the periodic table</b>			
	Atoms, elements and compounds	96-98	
	Chemical equations	99	
	Mixtures	100	
	Chromatography & more separation techniques	101-102	
	Distillation	103	
	The history of the atom	104	
	Electronic structure	105	
	Development of the periodic table	106-107	
	Metals and non-metals	108	
	Group 1	109	
	Group 7	110	
	Group 0	111	
<b>C2 – Bonding, structure and properties of matter</b>			
	Formation of ions	113	
	Ionic bonding	114	
	Ionic compounds	115	
	Covalent bonding	116	
	Simple molecular substances	117	
	Polymers and giant covalent structures	118	
	Structures of carbon	119	
	Metallic bonding	120	
	States of matter and changing state	121 & 122	

<b>C3 – Quantitative chemistry</b>			
	Relative formula mass	123	
	Conservation of mass	124 & 125	
	Concentrations of solutions	126	
<b>C4 – Chemical changes</b>			
	Acids and bases	128	
	Reactions of acids	129	
	The reactivity series & extracting metals	130	
	Reactions of metals	131	
	Electrolysis	132-133	
<b>C5 – Energy changes</b>			
	Exothermic & endothermic reactions	134	
	Measuring energy changes	135	
	Reaction profiles	136	
<b>C6 – The rate and extent of chemical change</b>			
	Rates of reaction & factors affecting rates of reaction	138-139	
	Measuring rates of reaction	140-141	
	Graphs of reaction rate experiments	142	
	Working out reaction rates	143	
	Reversible reactions	144	
<b>C7 – Organic chemistry</b>			
	Hydrocarbons	146	
	Crude oil	147	
	Fractional distillation	148	
	Cracking of crude oil	149	
<b>C8 – Chemical analysis</b>			
	Purity & Formulations	150	
	Paper chromatography	151	
	Using chromatograms	152	
	Test for gases	153	
<b>C9 – Chemistry of the atmosphere</b>			
	The evolution of the atmosphere	155	
	Greenhouse gases & climate changes	156	
	Carbon footprint & air pollution	157-158	

<b>C10 – Using resources</b>			
	Finite & renewable resources	<b>159</b>	
	Reuse & recycling	<b>160</b>	
	Life cycle assessments	<b>161-162</b>	
	Potable water	<b>163</b>	
	Desalination	<b>164</b>	
	Waste water treatment	<b>165</b>	

If you do not have the CPG book then you can find similar material on Kerboodle and Bitesize.