

Y10 Mocks 2022 - Chemistry	Trilogy	
	Foundation	Higher
The Rate and Extent of Chemical Change		
6.1.1 Calculating rates of reactions		
6.1.2 Factors which affect the rates of chemical reactions		
6.1.3 Collision theory and activation energy		
6.1.4 Catalysts		
6.2.1 Reversible reactions		
6.2.2 Energy changes and reversible reactions		
6.2.3 Equilibrium		
6.2.4 The effect of changing conditions on equilibrium (HT only)		
6.2.5 The effect of changing concentration (HT only)		
6.2.6 The effect of temperature changes on equilibrium (HT only)		
6.2.7 The effect of pressure changes on equilibrium (HT only)		
Organic Chemistry		
7.1.1 Crude oil, hydrocarbons and alkanes		
7.1.2 Fractional distillation and petrochemicals		
7.1.3 Properties of hydrocarbons		
7.1.4 Cracking and alkenes		
Chemical Analysis		
8.1.1 Pure substances		
8.1.2 Formulations		
8.1.3 Chromatography		
8.2.1 Test for hydrogen		
8.2.2 Test for oxygen		
8.2.3 Test for carbon dioxide		
8.2.4 Test for chlorine		
Chemistry of the Atmosphere		
9.1.1 The proportions of different gases in the atmosphere		
9.1.2 The Earth's early atmosphere		
9.1.3 How oxygen increased		
9.1.4 How carbon dioxide decreased		
9.2.1 Greenhouse gases		
9.2.2 Human activities which contribute to an increase in greenhouse gases in the atmosphere		
9.2.3 Global climate change		
9.2.4 The carbon footprint and its reduction		
9.3.1 Atmospheric pollutants from fuels		
9.3.2 Properties and effects of atmospheric pollutants		
Using Resources		
10.1.1 Using the Earth's resources and sustainable development		
10.1.2 Potable water		
10.1.3 Waste water treatment		
10.1.4 Alternative methods of extracting metals (HT only)		
10.2.1 Life cycle assessment		
10.2.2 Ways of reducing the use of resources		