

Chemistry 1 a Week Activity		Higher	28 th Week
Name:		Class: 	
Name the following compound. $\begin{array}{c} \text{H} \quad \quad \text{Cl} \\ \diagdown \quad \diagup \\ \text{C} = \text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \quad \text{H} \end{array}$ 	State the general formula of an alkane. State the general formula of an alkene. 		
State the electronic configuration of a potassium atom Give the relative mass of an electron. 	Describe a test to show that a gas is chlorine. 		
What five conditions affect the rate of a reaction? 1. 2. 3. 4. 5.			
What is the activation energy of a reaction? 	What is an exothermic reaction? 		
Calculate the volume of 150 kg of chlorine gas at room temperature and pressure. The volume of one mole of any gas at room temperature and pressure is 24.0 dm ³ Relative formula mass (Mr): Cl ₂ = 71. Give your answer to three significant figures. 			
Give the electronic configuration for an ion of Chlorine. 	Give the electronic configuration for an atom of Boron. 		
The formula of ammonium carbonate is (NH ₄) ₂ CO ₃ . What is the relative formula mass of ammonium carbonate? 			