

Chemistry 1 a Week Activity		Foundation	34 th Week
Name: Class:			
Lithium and potassium react in a similar way to sodium when added to water. State why they have a similar reaction in terms of the electronic configurations of their atoms. 			
Calculate the amount, in moles, of KMnO ₄ in 17.40 cm ³ of 0.0200 mol/dm ³ potassium permanganate solution. Amount of KMnO ₄ = ... mol	The figure shows a molecule of decane. <pre> H H H H H H H H H H - C - C - C - C - C - C - C - C - C - H H H H H H H H H H</pre> Determine the molecular formula of decane Determine the empirical formula of decane. 		
Balance the equation for the reaction between sodium and water. Include the state symbols. Na (.....) + ... H ₂ O (.....) → NaOH (.....) + ...H ₂ (.....) Balance the equation for the following reaction. Sb ₂ O ₄ + ... C → Sb + ... CO ₂			
Identify an element that is in Period 3 and Group 5 of the Periodic Table. 	Give the general formula of the homologous series that includes Octane. 		
Calcium carbonate reacts with hydrochloric acid. Calcium chloride, water and carbon dioxide are made. Write a balanced symbol equation for this reaction. 			
How do ionic compounds conduct electricity? 	How does graphite conduct electricity? 		