

Chemistry 1 a Week Activity Foundation		30 th Week
Name: Class:		
Balance the following equation. $C_4H_8 + 6O_2 \rightarrow \dots\dots CO_2 + \dots\dots H_2O$ Balance the equation for the following reaction and fill in the two missing state symbols. $\dots\dots H_2O_2 (aq) \rightarrow 2H_2O (\dots\dots) + O_2 (\dots\dots)$		
The molecular formula of butene is C_4H_8. What is the empirical formula of Butene? 	Calculate the relative formula mass of butene, C_4H_8. 	
Ammonium nitrate is formed when nitric acid reacts with ammonia. Write the word equation for this reaction. + ... $\rightarrow$		
State two characteristic properties of metals. 	A nickel sulfate solution is made by dissolving 23.5 g of nickel sulfate to make 250 cm³ of solution. Calculate the concentration of the solution in g/dm⁻³. Concentration = ... g/dm⁻³	
Ben uses paper chromatography to analyse the ink from his pen. He puts the bottom of the paper in water and leaves it for a few hours. The diagram shows his result. i. What should the start line be drawn with? ii. Calculate the R_f of spot 1. R_f = ...		