

Chemistry 1 a Week Activity		Foundation	43 rd Week
Name:	Class:		
What ion makes a solution acidic? 	Give the formula of an ammonium ion. 		
Ammonia reacts with nitric acid to form ammonium nitrate. Complete the word equation for this reaction.			
			
Name the salt produced when ammonia reacts with hydrochloric acid. 	Give the electronic configuration of a potassium ion		
A sample of naturally occurring rubidium (Rb) is a mixture of two isotopes. It contains: 72.2% of rubidium-85 27.8% of rubidium-87 Calculate the relative atomic mass of rubidium based on this data.			
 relative atomic mass = ...			
Describe a test to show that a gas is oxygen. 	Describe a test to show that a sample contains carbonate ions. 		
Balance the following equations.			
..... Rb (s) + Li₂SO₄ (aq) → Rb₂SO₄ (aq) + ... Li (s) C₅H₈O₂ + ... NaH + ... HCl → C₅H₁₂O₂ + ... NaCl			
Explain, in terms of energy, why ionic compounds have high melting and boiling points.			
			