

Name:.....

Date:.....

**CHEMISTRY HOMEWORK 5.1 – ACIDS, BASES, SALTS AND NEUTRALIZATION**

1.	Complete the following table:		/6	
	<b>Name</b>	<b>Formula</b>		<b>Acid, Base or Salt?</b>
	nitric acid			
		KOH		
	potassium nitrate			
		CaCl <sub>2</sub>		
	calcium oxide	HCl		
2.	Write balanced symbol equations for the following reactions and name the salt produced:			
(a)	calcium oxide with hydrochloric acid		/3	
	Name of salt: .....			
(b)	Copper carbonate with sulfuric acid		/3	
	Name of salt: .....			
3.	(a)	State a useful application of the reaction in 2 (a)	/2	
4.	Classify the following solutions as acidic, alkaline or neutral:		/3	
	a solution with a pH of 5.5	.....		
	a solution with a pH of 9.2	.....		
	lemon juice	.....		
	sodium chloride solution	.....		
	sodium hydroxide solution	.....		
	A solution with equal amounts of H <sup>+</sup> and OH <sup>-</sup> ions	.....		
<b>TOTAL</b>			<b>/20</b>	