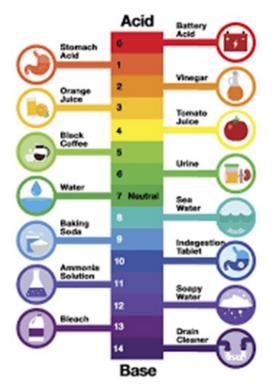


Year 7 Acids and Alkalis Knowledge Organiser





1. pH scale and neutralisation		
Key Vocabulary	Meaning	
Acidic	A solution with a pH less than 7. The lower the number the stronger the acid. Hydrochloric, sulfuric and nitric acid are strong acids.	
Neutral	A solution with a pH of 7 (soluble base)	
Base	Reacts with an acid to for a salt and water	
Alkali	A base that dissolves in water to give a solution with a pH greater than 7. The higher the number the stronger the alkali	
pH scale	A measure of how acidic or alkaline a substance is.	
Neutralisation	A chemical reaction which produces a salt and has a pH of 7	

2. Indicators		
Universal Indicator	Changes colour (see above) to show the pH of a solution	
Blue Litmus paper	turns red when an acid solution is applied	
Red Litmus paper	Turns blue when add- ing an alkali solution	

Acid + Base —> Salt + Water

3. Naming salts		
Acid used	Second part of salt's name	
Hydrochloric acid	chloride	
Sulfuric acid	sulfate	
Nitric acid	nitrate	