

Acid Battery Acid Stomach Acid Vinegar Orange Julce Tomato Juíce Black Coffee Urine Water 7 Neutral Sea Water Baking Soda Indegestion Tablet Ammonia Solution Soapy Water Bleach Drain Cleaner Base

	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	

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 strong- er 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		

Acid + Base —> Salt + Water

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