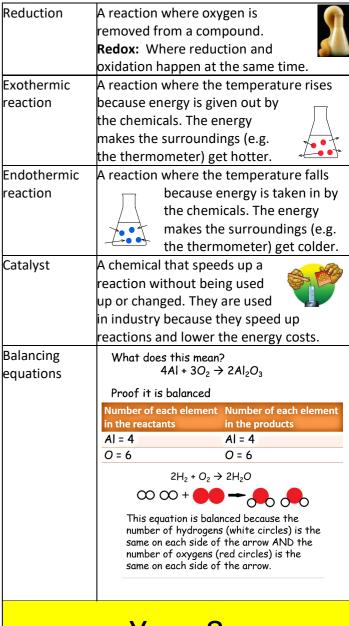
The big picture				
Introduction to chemical reactions				
Combustion				
Word equations				
Thermal decomposition				
Oxidation				
Reduction				
Exothermic reactions				
Endothermic reactions				
Catalysis				
Balancing equations				

Key ideas and terms					
Evidence of	Sme II				
chemical	Flames or light				
reactions	or ngm				
	Evidence of Colour chemical Solid				
	change reactions formed				
	Sound				
	Temperature change				
Observations	Things that describe what happens during a				
	reaction.				
Reactants	The substances at the start of a chemical				
	Reactants —— Products reaction.				
Products	The substances made in a chemical Reactants Products reaction.				
Combustion	A reaction of a fuel with oxygen that releases useful energy in the				
	form of heat and light.				
Combustion	The state of the s				
experiment	fewerest Colored Colored Intervention Transport light'				
Lime water	Used to test for carbon dioxide- goes				
	cloudy.				

Anhydrous copper sulfate	Used to test for water- goes from white to blue.			
Cobalt chloride paper	Used to test for water- goes from blue to pink.			
Hydrocarbon combustion	hydrocarbon + oxygen → carbon + water dioxide			
Word equations	Reactant words	Product words	Reaction types	
	reacts	make	Combustion	
	neutralises	produce	Oxidation	
	of	products	Direct combination	
	displaces	give	Precipitation	
	heated	formed	Displacement	
	combines with	create	Neutralisation	
	made from	generate	Thermal decomposition	
	takes part in	release	Reduction	
	Reactants → Products  water → hydrogen + oxygen			
Thermal	One chemical breaks down when heated to make two or more new chemicals.			
decomposition	Example: metal → metal + carbon			
Oxidation	carbonate oxide dioxide  Where something reacts with oxygen e.g. during combustion.  Oxide: These are the chemicals produced in oxidation reactions.  E.g: sodium + oxygen → sodium oxide			



## Year 8 Chemical Reactions