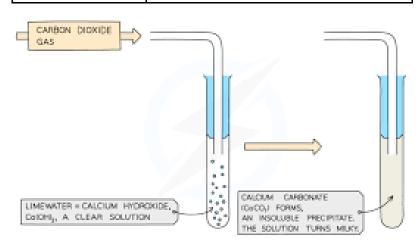


Year 11 Chemistry 8: Chemical Analysis Knowledge Organiser



1. Keywords		
Pure substance	A single element or compound not mixed with any other substance. They have a specific melting and boiling point	
Melting point	The temperature at which a solid turns to a liquid	
Boiling point	The temperature at which a liquid turns to a gas	
Formulation	A mixture that has been designed as a useful product eg fuels, cleaning agents, medicines and fuels	
Chromatography	Use to separate mixtures and identify substances	
Rf	(distance moved by substance)/(distance moved by solvent)	



2. Identification of common gases			
Gas	Test	Observation	
Hydrogen	Burning splint	Squeaky pop	
Oxygen	Glowing splint	Relights	
Carbon dioxide	Limewater	Goes cloudy	
Chlorine	Damp Litmus pa- per	Bleached (goes white)	

