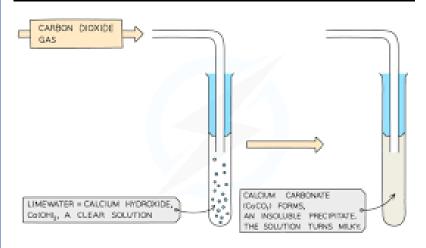


Year 11 Chemistry 8: Chemical Analysis Knowledge Organiser



| 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) | |

