



# Chemistry

## 8. Chemical analysis

### Revisiting Booklet

Name:

Purity, formulations & chromatography

	Everyday definition + example	Chemistry definition + example	How can it be identified
Pure substance			

What is a formulation?

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Give an example of a formulation

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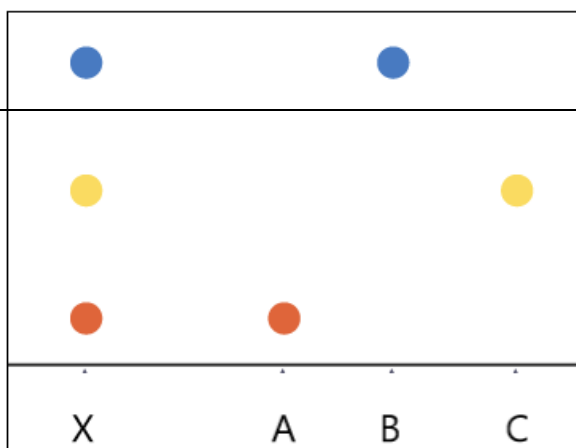
Chromatography

Chromatography can be used to separate \_\_\_\_\_ and give information to identify substances. Chromatography involves a stationary phase and a mobile phase, separate depends on the distribution of substances between the phases (the more soluble the higher it will move), and can be measured using a  $R_f$  value (always less than 1).

Equation for  $R_f$  value:

Required practical – Chromatography

Method:



1. Is A pure?
2. How many colours is X made of?
3. Which colours is X made of?

4. Work out the  $R_f$  value for A

Identification of common gases

Gas	How is the gas collected	Test	Results
Hydrogen			
Oxygen			
Carbon dioxide			
Chlorine			