



# Chapter 10: Chemical analysis

## Retrieval questions

Learn the answers to the questions below then cover the answers column with a piece of paper and write as many as you can. Check and repeat.

### C10 questions

### Answers

1	In chemistry, what is a pure substance?	Put paper here	something made of only one type of substance
2	What is the difference between the melting and boiling points of a pure and impure substance?	Put paper here	pure – sharp/one specific temperature impure – broad/occurs across a range of temperatures
3	What is a formulation?	Put paper here	a mixture designed for a specific purpose
4	What are some examples of formulations?	Put paper here	fuels, cleaning agents, paints, medicines, alloys, fertilisers, and foods
5	What is chromatography?	Put paper here	a process for separating coloured mixtures
6	How is $R_f$ calculated?	Put paper here	$R_f = \frac{\text{distance moved by substance}}{\text{distance moved by solvent}}$
7	What is the test for hydrogen?	Put paper here	a lit splint gives squeaky pop
8	What is the test for oxygen?	Put paper here	re-lights a glowing splint
9	What is the test for carbon dioxide?	Put paper here	turns limewater milky if bubbled through it
10	What is the test for chlorine?	Put paper here	bleaches damp litmus paper