Blurt it

Step 1

Name _____ Date _____

1. Cover your notes and put your phone face down.
2. Set a timer for 5 minutes.
3. Write down everything you remember about chemical analysis: facts, key words, equations, practicals, and mistakes to avoid. Diagrams count too.

Stuck? Start with one of these: pure substance · chromatography · Rf value

When the timer ends, turn over and check what you remembered.

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Check it, fix it, space it

Steps 2, 3 and 4

Check it

Tick each idea you wrote down, even in your own words.

- [ ] A pure substance is a single element or compound: it melts and boils at one exact temperature
- [ ] A mixture melts and boils over a range of temperatures
- [ ] A formulation is a mixture designed as a useful product, like paints, medicines and fuels
- [ ] Paper chromatography has a stationary phase and a mobile phase (the solvent)
- [ ] Rf = distance moved by substance ÷ distance moved by solvent
- [ ] A pure substance gives one spot in every solvent
- [ ] Test for hydrogen: a lit splint makes a pop
- [ ] Test for oxygen: a glowing splint relights
- [ ] Test for carbon dioxide: limewater turns cloudy
- [ ] Test for chlorine: damp litmus paper is bleached white

Key words to use: pure substance · formulation · chromatography · stationary phase · mobile phase · Rf value · limewater · litmus paper

I remembered _____ out of 10.

Fix it

Pick 3 ideas you missed. Look them up, then write each one correctly.

1

2

3

Space it

Blurt again on a fresh sheet. Gaps help you remember for longer.

Tomorrow
Date _____
Score _____ / 10

In 3 days
Date _____
Score _____ / 10

In a week
Date _____
Score _____ / 10

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