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 organic chemistry: facts, key words, equations, practicals, and mistakes to avoid. Diagrams count too.

Stuck? Start with one of these: hydrocarbon · fractional distillation · cracking

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.

- [ ] Crude oil is a finite mixture of hydrocarbons, formed from ancient plankton buried in mud
- [ ] Hydrocarbons are made of hydrogen and carbon only
- [ ] Alkanes have the general formula CnH(2n+2); the first four are methane, ethane, propane and butane
- [ ] Fractional distillation separates crude oil into fractions by evaporating and condensing
- [ ] Bigger hydrocarbons have higher boiling points, are more viscous and are less flammable
- [ ] Complete combustion of a hydrocarbon makes only carbon dioxide and water
- [ ] Cracking breaks big hydrocarbons into smaller, more useful ones (catalytic or steam cracking), making alkanes and alkenes
- [ ] Alkenes are more reactive than alkanes, and they decolourise bromine water
- [ ] Alkenes are used to make polymers and other chemicals

Key words to use: hydrocarbon · alkane · homologous series · fractional distillation · viscosity flammability · combustion · cracking · catalytic cracking · steam cracking · alkene · bromine water

I remembered _____ out of 9.

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 _____ / 9

In 3 days
Date _____
Score _____ / 9

In a week
Date _____
Score _____ / 9

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