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 particle model of matter: facts, key words, equations, practicals, and mistakes to avoid. Diagrams count too.

Stuck? Start with one of these: density · internal energy · specific latent heat

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.

- [ ] Density = mass ÷ volume
- [ ] Density differences between solids, liquids and gases come from how closely the particles are packed
- [ ] Mass is conserved when a substance changes state; it is a physical change that can be reversed
- [ ] Internal energy is the total kinetic and potential energy of all the particles
- [ ] Heating either raises the temperature or changes the state
- [ ] Change in thermal energy = mass × specific heat capacity × temperature change
- [ ] Latent heat changes the state without changing the temperature: energy = mass × specific latent heat
- [ ] Latent heat of fusion is for solid and liquid; latent heat of vaporisation is for liquid and gas
- [ ] Gas particles move randomly; heating a gas in a fixed volume raises its pressure

Key words to use: density · particle model · internal energy · specific heat capacity · latent heat specific latent heat · fusion · vaporisation · sublimation

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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