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

Stuck? Start with one of these: greenhouse effect · carbon footprint · acid rain

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.

- [ ] Today's air is about 80% nitrogen and 20% oxygen, with small amounts of carbon dioxide, water vapour and noble gases
- [ ] The early atmosphere came from volcanoes: mostly carbon dioxide and little or no oxygen; water vapour condensed to form the oceans
- [ ] Oxygen increased when algae and then plants began photosynthesis
- [ ] Carbon dioxide fell through photosynthesis, dissolving in the oceans, and being locked up in sedimentary rocks and fossil fuels
- [ ] Greenhouse gases (water vapour, carbon dioxide, methane) absorb and re-radiate energy from the Earth, keeping it warmer
- [ ] Know two human activities that add carbon dioxide and two that add methane
- [ ] Name four possible effects of global climate change
- [ ] A carbon footprint is the total greenhouse gas given off across the whole life of a product, service or event
- [ ] Burning fuels releases carbon monoxide, sulfur dioxide, oxides of nitrogen and particulates
- [ ] Carbon monoxide is toxic with no colour or smell; sulfur dioxide and oxides of nitrogen cause acid rain; particulates cause global dimming

Key words to use: atmosphere · photosynthesis · greenhouse gas · greenhouse effect
global climate change · carbon footprint · carbon monoxide · sulfur dioxide · oxides of nitrogen

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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