GCSE COMBINED SCIENCE · ECOLOGY

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

Stuck? Start with one of these: interdependence · quadrat · biodiversity

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.

- [ ] Interdependence: species rely on each other, so losing one can affect the whole community
- [ ] Plants compete for light, space, water and minerals; animals compete for food, mates and territory
- [ ] Adaptations can be structural, behavioural or functional; extremophiles live in extreme conditions
- [ ] Abiotic factors (like light, temperature and moisture) and biotic factors (like food, predators and pathogens) affect communities
- [ ] Food chains start with a producer; predator and prey numbers rise and fall in cycles
- [ ] Quadrats and transects measure where organisms live and how many there are
- [ ] Carbon and water cycle through living things and the environment; microorganisms return carbon and minerals by decay
- [ ] Biodiversity is the variety of species; high biodiversity makes an ecosystem more stable
- [ ] Pollution, land use and deforestation reduce biodiversity; more carbon dioxide and methane add to global warming
- [ ] Protect biodiversity with breeding programmes, habitat protection, hedgerows and field margins, and recycling

Key words to use: ecosystem · community · interdependence · abiotic · biotic · adaptation extremophile · producer · consumer · predator · prey · quadrat · transect · biodiversity · carbon cycle

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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