

Edexcel Biology IGCSE

4.c - Cycles within Ecosystems

Flashcards

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Give 3 molecules which are cycled through ecosystems



Give 3 molecules which are cycled through ecosystems

Oxygen, carbon dioxide and water



Briefly describe how carbon dioxide is
cycled through an ecosystem



Briefly describe how carbon dioxide is cycled through an ecosystem

- Carbon dioxide is fixed through photosynthesis
- Respiration releases carbon dioxide
- Decomposition releases carbon dioxide
- Combustion releases carbon dioxide



Briefly describe how nitrogen is cycled
through an ecosystem
(Higher)



Briefly describe how nitrogen is cycled through an ecosystem (Higher)

- Nitrogen is fixed by lightning, the Haber process and bacteria
- Decomposers break dead matter down into ammonia
- Nitrifying bacteria convert ammonia into nitrites and nitrates
- Denitrifying bacteria release nitrogen back to the atmosphere

