

Foundation Separate version — Higher Tier (★) questions removed.

Q1. Describe the carbon cycle. Which process removes CO₂ from the atmosphere? Name THREE processes that return it.

[4 marks]

Q2. Describe the stages of eutrophication. What causes it?

[3 marks]

Total: 7 marks

Q1 (4 marks)

Describe the carbon cycle. Which process removes CO₂ from the atmosphere? Name THREE proce...

- Only PHOTOSYNTHESIS removes CO₂ [1]
- Respiration [1]
- Decomposition [1]
- Combustion [1]

Q2 (3 marks)

Describe the stages of eutrophication. What causes it?

- Fertiliser run-off → algal bloom on water surface [1]
- Algae block light → aquatic plants die → decomposing bacteria use O₂ [1]
- O₂ depleted → fish and aquatic organisms suffocate [1]