

21.1 Human Influences on Ecosystems

Question Paper

Course	CIE IGCSE Biology
Section	21. Human Influences on Ecosystems
Topic	21.1 Human Influences on Ecosystems
Difficulty	Hard

Time allowed: 10
Score: /5
Percentage: /100

Question 1

Rapid growth of algae on the surface of the water can occur as a result of nitrates entering a reservoir of water.

This causes the following changes in the reservoir:

- 1 An increase in aerobic respiration by decomposers.
- 2 A decrease in the concentration of dissolved oxygen in the water.
- 3 Fish and other aquatic animals die.
- 4 Producers die and decomposition increases.

In which order do these changes occur?

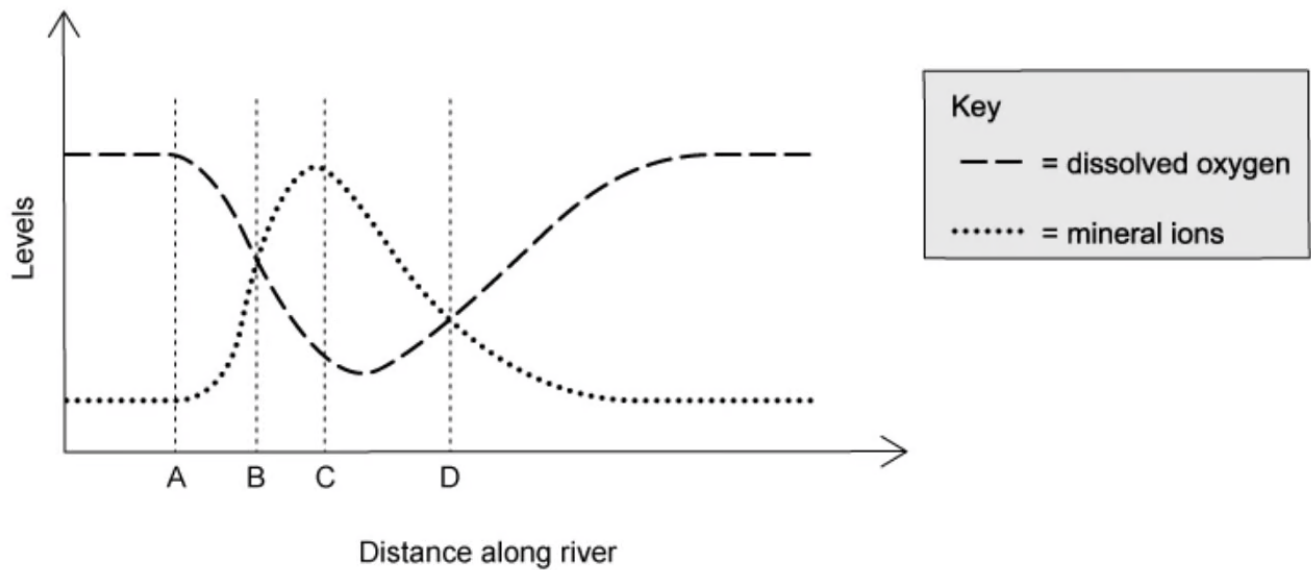
- A** 1 → 2 → 4 → 3
- B** 3 → 1 → 2 → 4
- C** 4 → 1 → 2 → 3
- D** 4 → 3 → 1 → 2

[1 mark]

Question 2

The levels of dissolved oxygen were measured in a river, the results were plotted on a graph, this is shown below.

At which point does raw sewage enter the river?



[1 mark]

Question 3

Which of these describe the effect of nuclear fall-out pollution?

- A Acid rain
- B Deforestation
- C Global warming
- D Increased mutation rate

[1 mark]

Question 4

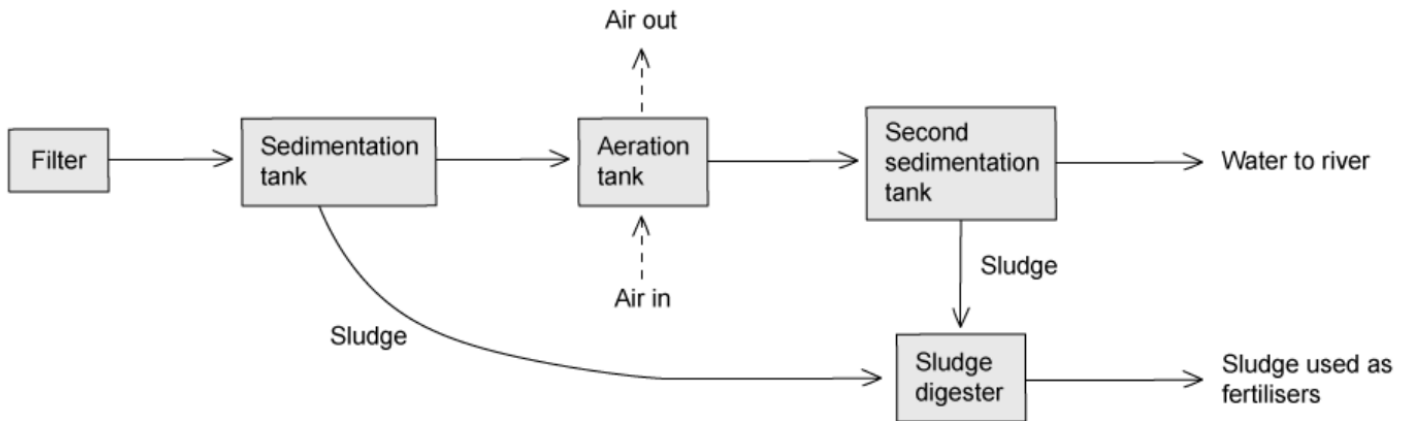
Which of the following is the correct definition for a sustainable resource?

- A** A resource that can be replaced.
- B** A resource that is running out.
- C** Making sure that needs are met for future generations.
- D** A resource that can be replenished as quickly as it is used.

[1 mark]

Question 5

This diagram shows how waste water (sewage) can be treated.



Why is air pumped in the aeration tank?

- A** To sediment the sludge.
- B** To encourage the rapid growth of microorganisms.
- C** To stop the growth of microorganisms.
- D** To float the sludge to the surface.

[1 mark]