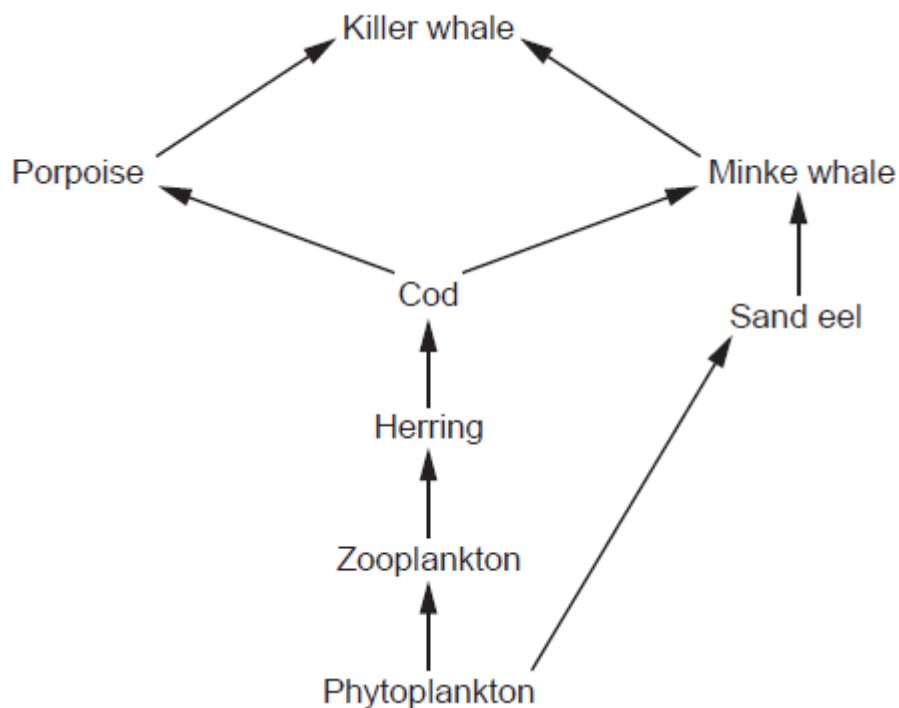


GCSE Biology B (Twenty First Century Science)
J257/01 Breadth in Biology (Foundation)

Question Set 14

Multiple Choice Questions

1. Killer whales can be found off the coast of Scotland.
The diagram shows part of their food web.



- (a) If the population of killer whales decreased, what effect would this have on the population of sand eels?

Explain your answer.

[2]

- (b) An adult killer whale was found dead off the coast of Scotland.

Scientists concluded that chemicals called PCBs caused the killer whale's death.

The PCBs had entered the killer whale's body from the food chain.

- (i) The PCBs increased in concentration in the bodies of organisms higher up the foodchain.

Which word describes this process?

Put a ring around the correct answer.

Active transport Bioaccumulation Eutrophication Translocation

[1]

- (ii) The dead killer whale's body will be decomposed.

Describe how this will happen **and** explain why it is important.

[2]

(iii) Decomposition is affected by temperature.

Use the words from the list to complete the sentences below.

You may use each word once, more than once or not at all.

amino acids

decreases

enzymes

fats

increases

water

As the temperature the rate of decomposition increases. This is because the temperature will affect the involved in decomposition.

[2]

Total Marks for Question Set 14: 7

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