

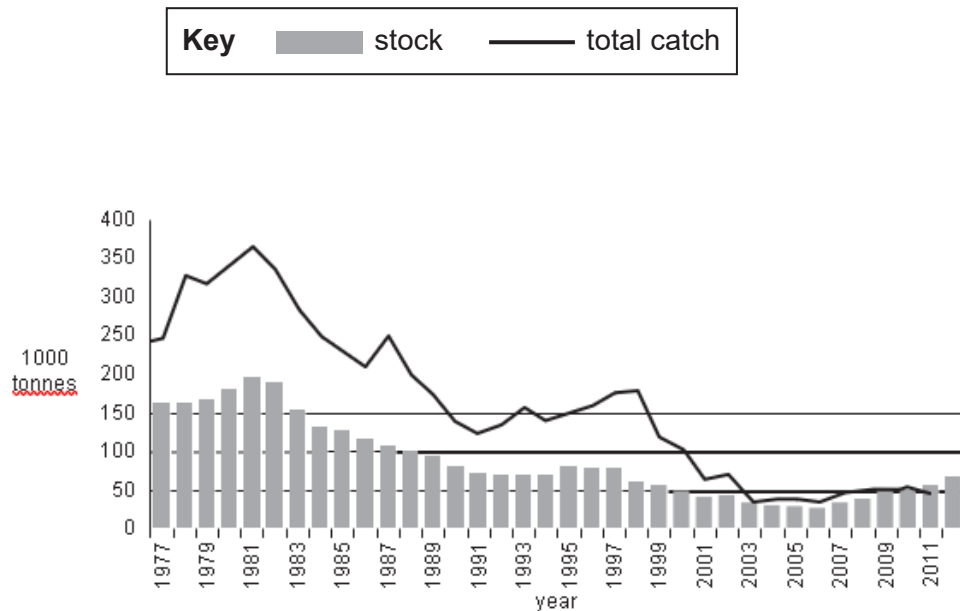
**GCSE Biology B (Twenty First Century Science)**  
**J257/01** Breadth in Biology (Foundation)

**Question Set 7**

Multiple Choice Questions

1. Cod is a type of fish that is served in fish and chip shops. Much of the cod sold in fish and chip shops is caught in the North Sea.

The graph shows the stocks of cod in the North Sea off the coast of Britain and the amount of cod caught (total catch).



- (a) (i) Describe and explain the trend shown in the graph. [3]
- (ii) In 2002 very little cod was served in fish and chip shops, instead haddock was used. [1]
- Use the graph to explain why cod was removed from the menu.
- (iii) Human activities are having an impact on the biodiversity of the Earth. [2]
- Explain why it is important to conserve biodiversity.
- (iv) Fish such as cod reproduce sexually. [1]
- Give **one** advantage of cod reproducing sexually
- (b) Fish are an important source of protein in our diet. [1]
- Ben wants to show that fish contain protein.  
He uses the following method:
1. He adds a small sample of fish to a test tube.
  2. He adds a small amount of Benedict's solution to the sample.
  3. He observes a colour change.

- (i) Ben's friend thinks he has made a mistake in his method.

Describe the mistake Ben has made and how he should correct it.

[2]

- (ii) What change would Ben observe when using the correct method?

Tick (✓) **one** box.

Colourless to cloudy white emulsion

Light blue to lilac/purple

Red-brown precipitate formed

Pale brown to blue-black

[1]

**Total Marks for Question Set 7: 10**

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