

Habitat destruction: practice questions

6 questions • 15 marks • mark scheme at the back

For Cambridge IGCSE Biology 0610 (and 0970, which has the same content). **Supplement** is Extended content, only examined on Papers 2 and 4.

Name

Total / 15

1 Which statement describes biodiversity? [1 mark]

- A. ☐ The number of organisms in an area
- B. ☐ The number of different species in an area
- C. ☐ The number of plants in an area
- D. ☐ The number of habitats in the world

2 State three reasons why habitats are destroyed by human activity. [3 marks]

3 People fishing remove most of the large predatory fish from a lake. Suggest how this could have a negative effect on the lake ecosystem. [3 marks]

4 Which is an effect of deforestation? [1 mark]

- A. ☐ Less soil is lost
- B. ☐ Less carbon dioxide in the atmosphere
- C. ☐ More flooding
- D. ☐ More biodiversity

5 Large areas of rainforest are cleared to graze cattle. Explain the undesirable effects of this **[5 marks]** deforestation.

6 Explain how pollution of a river can lead to destruction of the habitat of fish. **[2 marks]**

Mark scheme

One mark for each point unless a maximum is given. Words in brackets are not needed for the mark.

1. [1]

B B (1)

2. [3]

- building houses / more land for housing (1)
- land for crop plants or livestock (1)
- extraction of natural resources / mining / quarrying (1)
- freshwater or marine pollution (1)
- Max 3

3. [3]

- the prey / smaller fish increase in number (1)
- they eat more of the producers / food source (1)
- so food web is altered / other species lose food and numbers fall (1)

4. [1]

C C (1)

5. [5]

- biodiversity reduced as species lose habitat / food (1)
- some species may become extinct (1)
- soil lost / eroded because no roots to hold it (1)
- flooding because less water absorbed by roots / more run-off (1)
- carbon dioxide increases because fewer trees to photosynthesise / trees burnt or decay (1)

6. [2]

- pollutants (e.g. sewage / fertiliser / plastic) make the water unsuitable / poisonous / reduce oxygen (1)
- so fish die or move away / cannot live there (1)