

20. Human influences on ecosystems

20.2 Habitat destruction

Paper 1 and 2

Question Paper

Paper 1

Questions are applicable for both core and extended candidates

1 Which change occurs when areas of forest are cleared for farming?

- A** decreased release of carbon dioxide into the atmosphere
- B** increased biodiversity
- C** increased loss of soil
- D** increased release of oxygen into the atmosphere

2 What can increase as a result of deforestation?

- 1 extinctions
- 2 flooding
- 3 biodiversity

A 1, 2 and 3 **B** 1 and 2 only **C** 1 and 3 only **D** 2 and 3 only

3 What could be undesirable effects of deforestation?

- 1 extinction of species
- 2 increased flooding
- 3 reduction of atmospheric carbon dioxide

A 1 and 2 only **B** 1 and 3 only **C** 1, 2 and 3 **D** 2 and 3 only

4 An area of forest was destroyed by a forest fire. Eventually the forest regrew.

What is likely to happen to the amount of soil erosion and flooding when the forest has regrown?

- A Soil erosion increases and flooding increases.
- B Soil erosion decreases and flooding decreases.
- C Soil erosion increases and flooding decreases.
- D Soil erosion decreases and flooding increases.

5 What is the effect of replacing tropical rainforest with plantations of oil palm trees, which are grown as crop plants?

- A increased carbon dioxide in the atmosphere
- B increased flooding
- C reduced number of species
- D reduced pollution

6 Large areas of forest are cut down in order to clear the land for other uses.

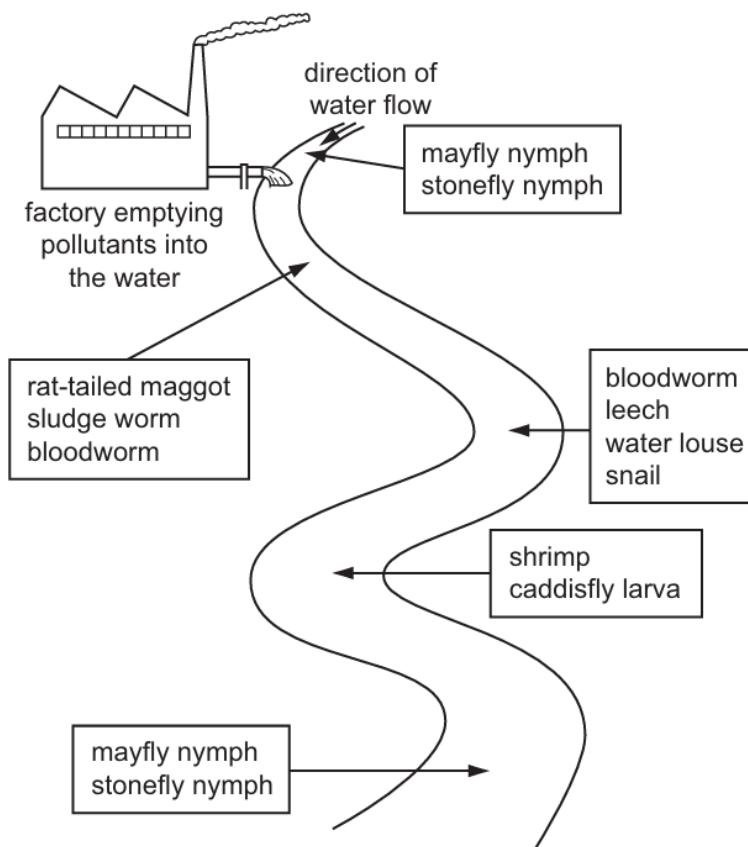
If the land is **not** replanted with trees or crops, what effect does this have on the atmosphere?

- A Carbon dioxide remains the same.
- B Carbon dioxide increases.
- C Oxygen increases.
- D Water vapour increases.

7 Which is an example of an undesirable effect of deforestation?

- A decreased carbon dioxide concentration in the atmosphere
- B decreased soil erosion
- C increased flooding
- D the variety of organisms is maintained

8 The diagram shows the results of a survey on the types of animals found along a stretch of river near to a factory.

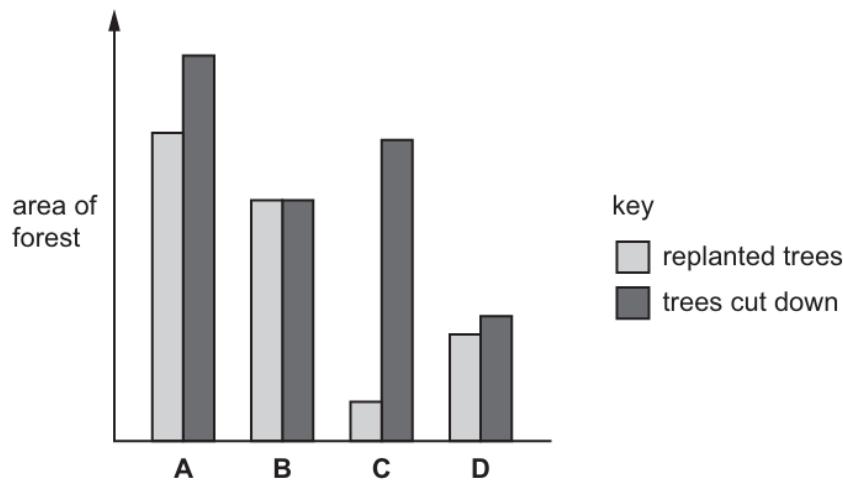


Which animal lives in the least polluted water?

- A** bloodworm
- B** caddisfly larva
- C** leech
- D** stonefly nymph

9 The graph shows four areas of forest that were cut down and then replanted with trees in one part of the world between 1995 and 2015.

Which area of forest was used most sustainably?



10 What are the possible effects of deforestation?

	loss of soil	flooding	decrease in atmospheric carbon dioxide
A	yes	yes	no
B	yes	no	yes
C	no	yes	no
D	no	no	yes

11 Large areas of tropical forests have been cleared to grow monocultures of palm oil plants.

Which effect will this have on the ecosystem?

- A The use of fossil fuels in the area will decrease.
- B The use of pesticides in the area will decrease.
- C The variety of species in the area will decrease.
- D The variety of species in the area will increase.

12 What is **least** likely to result from deforestation?

- A increase in flooding
- B increase in species
- C loss of habitats
- D loss of soil

Paper 2

Questions are applicable for both core and extended candidates

13 How will these natural processes be affected by deforestation?

	flooding	loss of soil	transpiration
A	decreased	decreased	increased
B	decreased	increased	decreased
C	increased	decreased	increased
D	increased	increased	decreased

14 What is a negative impact on the environment caused by deforestation?

- A** decrease in land for livestock production
- B** decreased levels of carbon dioxide in the air
- C** increase in flooding
- D** increased levels of soil

15 Large areas of tropical forests have been cleared to grow monocultures of palm oil plants.

Which effect will this have on the ecosystem?

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- C** The variety of species in the area will decrease.
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16 What are the possible effects of deforestation?

	loss of soil	flooding	decrease in atmospheric carbon dioxide
A	yes	yes	no
B	yes	no	yes
C	no	yes	no
D	no	no	yes

17 Deforestation can have a negative impact on the environment.

Which statement about the negative impact of deforestation is correct?

- A** decreases the levels of carbon dioxide which can lead to reduced rates of photosynthesis
- B** decreases the amount of water flowing in local rivers so there is less flooding
- C** leads to soil loss so there is less fertile soil for the growth of crops in the area
- D** provides less land for the extraction of natural resources

18 What is **least** likely to result from deforestation?

- A** increase in flooding
- B** increase in species
- C** loss of habitats
- D** loss of soil