

Biodiversity and Effect of humans on Ecosystem 2

Q:1 Governments are encouraging sustainable development.

(a) Explain what is meant by sustainable development.

(2 marks)

(b) The government has asked families in the UK to reduce their impact on the environment.

Give three different ways in which families can do this.

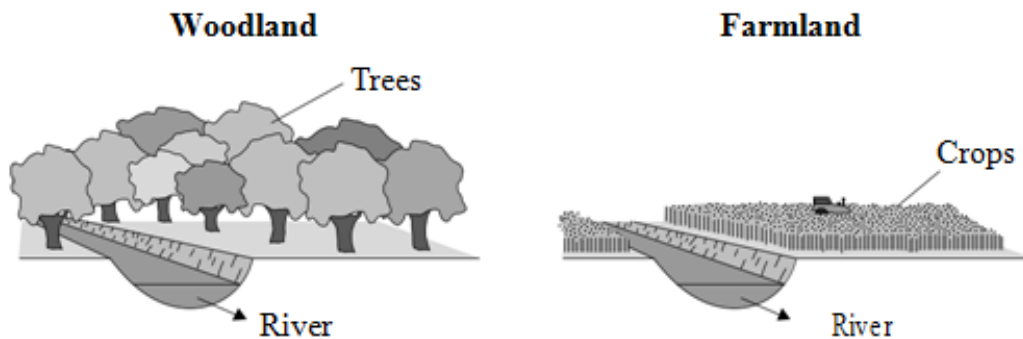
1 _____

2 _____

3 _____

(3 marks)

Q:2 The drawings show some woodland and some farmland. Both have a river flowing through.



(a)(i) There is a wider variety of wildlife in the woodland than in the farmland.

Give one reason why.

(1 mark)

(a)(ii) Farmers remove woodland to provide space for growing crops.

Give two other reasons why humans remove woodland.

Do not include the uses of wood in your answers.

1

2

(2 marks)

(b) Many farmers spray chemicals on their fields.

Draw a ring around the correct word to complete each sentence.

(b)(i) To make crops grow larger, farmers use

fertilisers
herbicides
pesticides

.

(1 mark)

(b)(ii) To kill insects that feed on the crop, farmers use

fertilisers
herbicides
pesticides

.

(1 mark)

(b)(iii) There is a wider variety of wildlife in the river flowing through the woodland than in the river flowing through the farmland.

Give one reason why.

(1 mark)

(c) The population of the UK has increased over the last two hundred years. This increase in population has resulted in damage to the environment.

Apart from farming methods, give two ways in which humans damage the environment.

1

2

(2 marks)

Q:7 The photographs show some ways in which humans affect the environment.

(a) Coal-burning power stations give off smoke. The smoke contains many different gases.



Draw a ring around the correct answer to complete each sentence.

(a) (i) The gas which causes global warming is

carbon dioxide.
oxygen.
sulfur dioxide.

(1 mark)

(a) (ii) The gas which causes acid rain is

methane.
oxygen.
sulfur dioxide.

(1 mark)

(b) The photograph shows a quarry.



Draw a ring around the correct answer to complete each sentence.

(b) (i) Quarrying

releases methane into the atmosphere.
increases biodiversity.
reduces land available for animals and plants.

(1 mark)

(b) (ii) Quarrying can be reduced by recycling

- metals.
- paper.
- plastic

(1 mark)

(c) The photograph shows a farmer spraying fruit trees.



Chemicals in the spray kill insects on the trees.

Draw a ring around the correct answer to complete each sentence.

(c) (i) The spray contains

- fertiliser.
- herbicide.
- pesticide.

(1 mark)

(c) (ii) The chemical in the spray might also

- kill other animals.
- kill plants.
- increase biodiversity.

(1 mark)

TOTAL MARKS=19