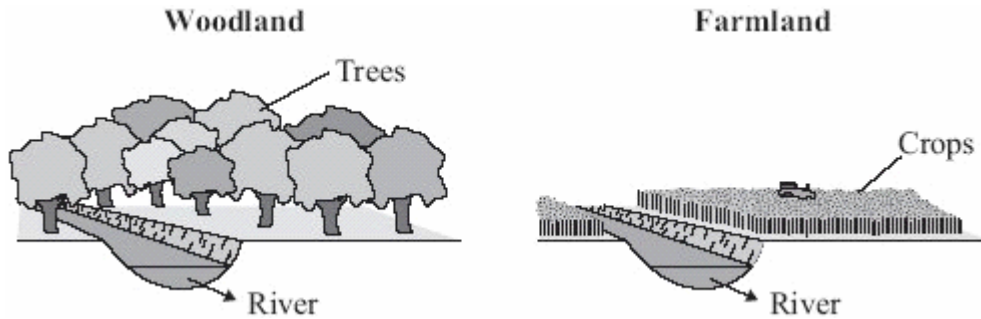


B3.4.1 Waste from human activity

1. 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)

(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)

(b) Many farmers spray chemicals on their fields.

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

(i) To make crops grow larger, farmers use

- | |
|-------------|
| fertilisers |
| herbicides |
| pesticides |

(1)

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

- | |
|-------------|
| fertilisers |
| herbicides |
| pesticides |

(1)

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

Unit B3, B3.4.1

Give **one** reason why.

.....

(1)

- (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)
(Total 8 marks)

2. Coastal grazing marshes provide grazing for cattle and sheep. They also support huge numbers of birds and a wide range of water plant and animal communities. Some of these communities include nationally rare species.

There has been a dramatic reduction in the extent of the grazing marshes in the estuary of the river Thames in recent years. These grazing marshes are downstream from the capital city, London.

The table below shows what some of the grazing marshes have been converted into.

CONVERTED TO	MEAN ANNUAL RATE OF CONVERSION TO OTHER LAND-USES (Hectares/Year)			
	1935-68	1968-72	1972-81	1981-89
Roads and buildings	83	186	142	45
Formal open spaces (parks)	11	30	12	27
Arable (crop-growing)	49	188	90	102
Open water	9	9	7	4
Woodland	3	1	3	2

- (a) Explain, as fully as you can, why you think it has been necessary to convert these marshes to other uses.

.....

.....

.....

.....

(3)

- (b) Explain, as fully as you can, the possible further effects that these changes in land-use might have on the environment and on the organisms which live in the environment.

.....

.....

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.....

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(4)
(Total 7 marks)