

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

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General Certificate of Secondary Education
June 2004



**GEOGRAPHY (SPECIFICATION B)
FOUNDATION TIER
Paper 1**

3032/1F

F

Monday 7 June 2004 9.00 am to 10.15 am

In addition to this paper you will require:

- the Ordnance Survey map extract (enclosed);
- the insert (enclosed).

You may use a calculator.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
3			
4			
5			
6			
7			
Total (Column 1)	→		
Total (Column 2)	→		
TOTAL			
Examiner's Initials			

Time allowed: 1 hour 15 minutes

Instructions

- Use blue or black ink for written answers. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **all** questions in the spaces provided.
- Do all rough work in this book. Cross through any work you do not want marked.

Information

- The maximum mark for this paper is 75.
- Mark allocations are shown in brackets.
- You will be assessed on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary, where appropriate.

Answer **all** questions.

1

Total for this question: 7 marks

Study the Ordnance Survey map extract, **Figure 1**, showing part of South Wales.

- (a) Give the 4-figure reference for Junction 44 on the M4.

.....
(1 mark)

- (b) Study grid squares 7391, 7095, 7603, 7091 and 7892.

Complete the table below by writing the correct grid square against each description. One has been done for you.

GRID SQUARE	DESCRIPTION
7391	A flat coastal area covered by houses and a chemical works.
	A steep sided hill reaching 418 metres, much of which is covered by coniferous forest.
	A built up area on the side of a steep sided river valley.
	An area of oil storage tanks on a gently sloping area next to an area of marsh.

(3 marks)

- (c) The A465 runs from the junction with the M4 in square 7296 to the edge of the map extract at 800009.

- (i) What kind of road is the A465?

.....
(1 mark)

- (ii) How has the slope of the land affected the route taken by the A465?

.....
.....
.....
.....
(2 marks)

2

Total for this question: 7 marks

Study **Figure 2** on the insert which is an aerial photograph of a new urban development on the rural-urban fringe of Bristol.

(a) Name **two** kinds of land use in this new urban development.

1

2

(2 marks)

(b) For **one** of your chosen land uses give **two** reasons why it has developed within the rural-urban fringe of a city like Bristol.

Chosen land use

1

2

(2 marks)

(c) Which of the following terms best describes the type of development shown in the photograph?

Circle the correct answer.

counter-urbanisation suburbanisation gentrification

(1 mark)

(d) Why may some people be against developments on the rural-urban fringe?

.....
.....
.....
.....

(2 marks)

7

Turn over ►

3

Total for this question: 7 marks

Read the information in **Figure 3** about Kirkby Moor Wind Farm in the Lake District.

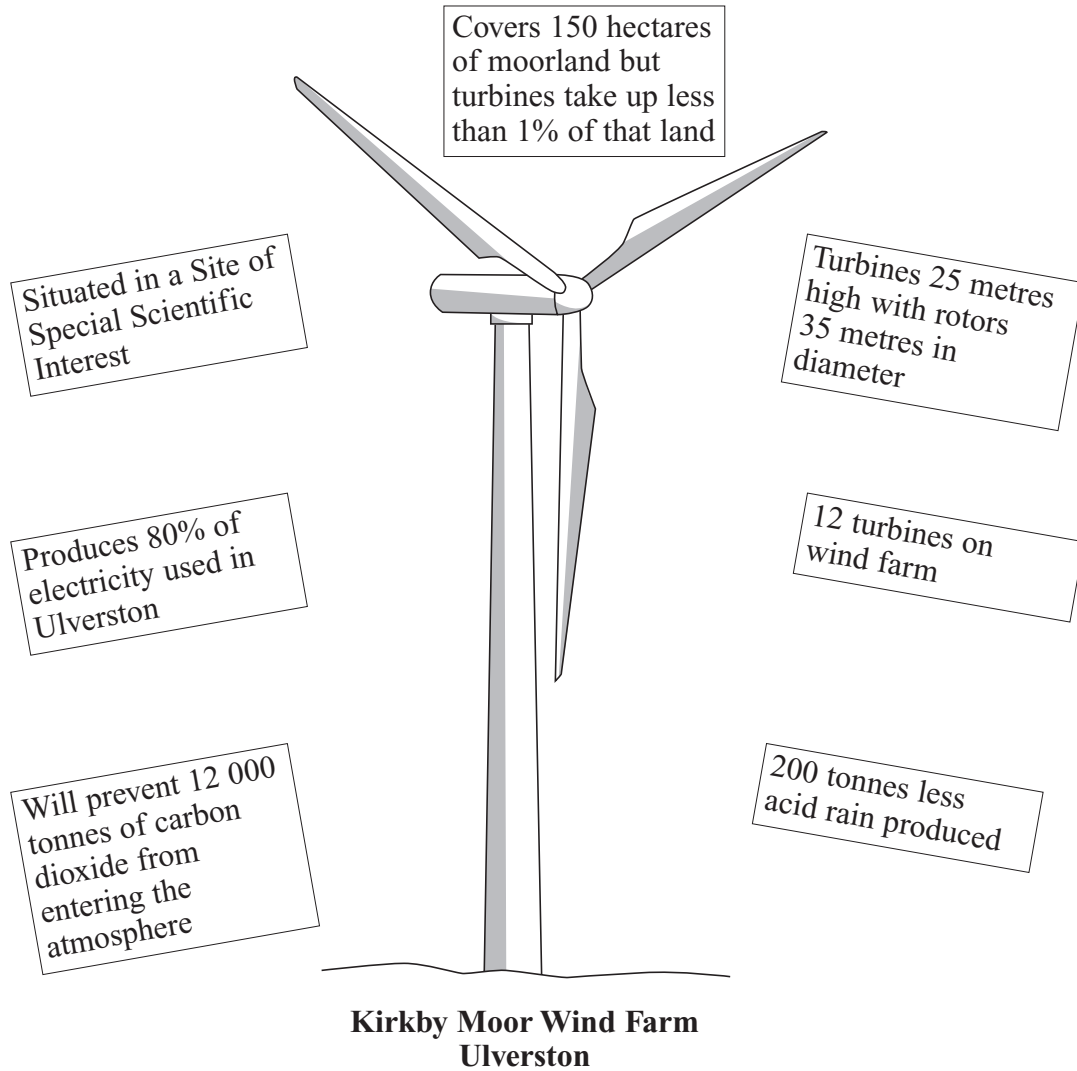


Figure 3

(a) Name **two** advantages of the Kirkby Moor Wind Farm.

1

.....

2

.....

(2 marks)

(b) Name **one** possible disadvantage suggested in **Figure 3**.

.....

.....

(1 mark)

(c) Study **Figure 4** which shows the location of some wind farms in the United Kingdom.



Figure 4

Using **Figure 4** and your own knowledge, explain the locations of wind farms in the United Kingdom.

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(4 marks)

Turn over ►

4

Total for this question: 7 marks

Study **Figure 5** which is a cross-section through High Force, a typical waterfall.

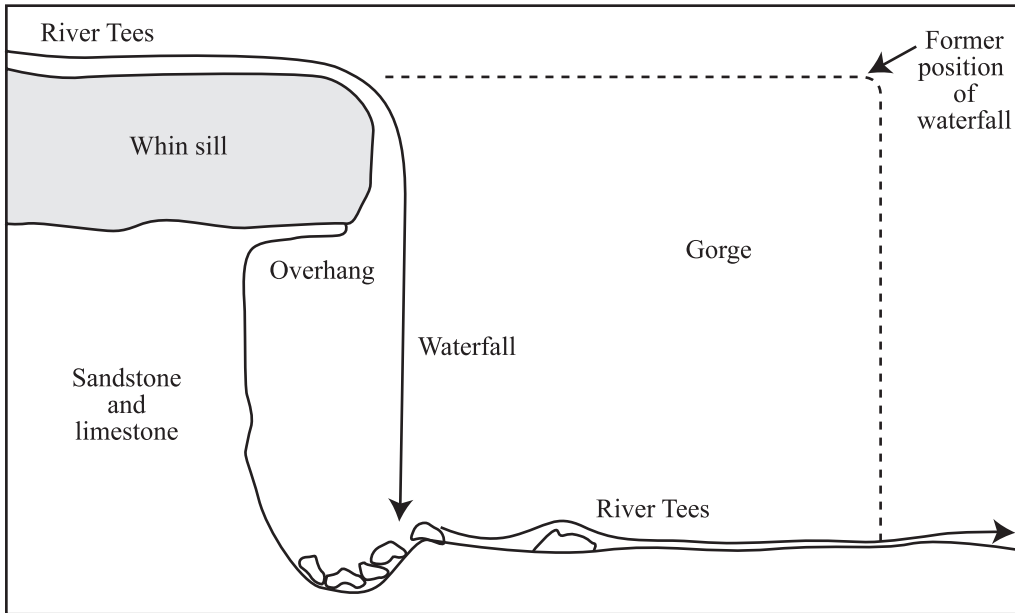


Figure 5

(a) Use **Figure 5** to complete the paragraph to explain the formation of the waterfall.

The waterfall is formed where a resistant rock called lies on top of softer and limestone. The river erodes the softer rock creating an Eventually the resistant rock above collapses and the waterfall forming a
 (5 marks)

(b) A river may erode by the following processes:

hydraulic erosion, solution, attrition and abrasion.

Choose **one** of these processes and describe how it works.

Name of the process

Description

.....

(2 marks)

5

Total for this question: 7 marks

Figure 6 shows hedgerow change in part of East Anglia.

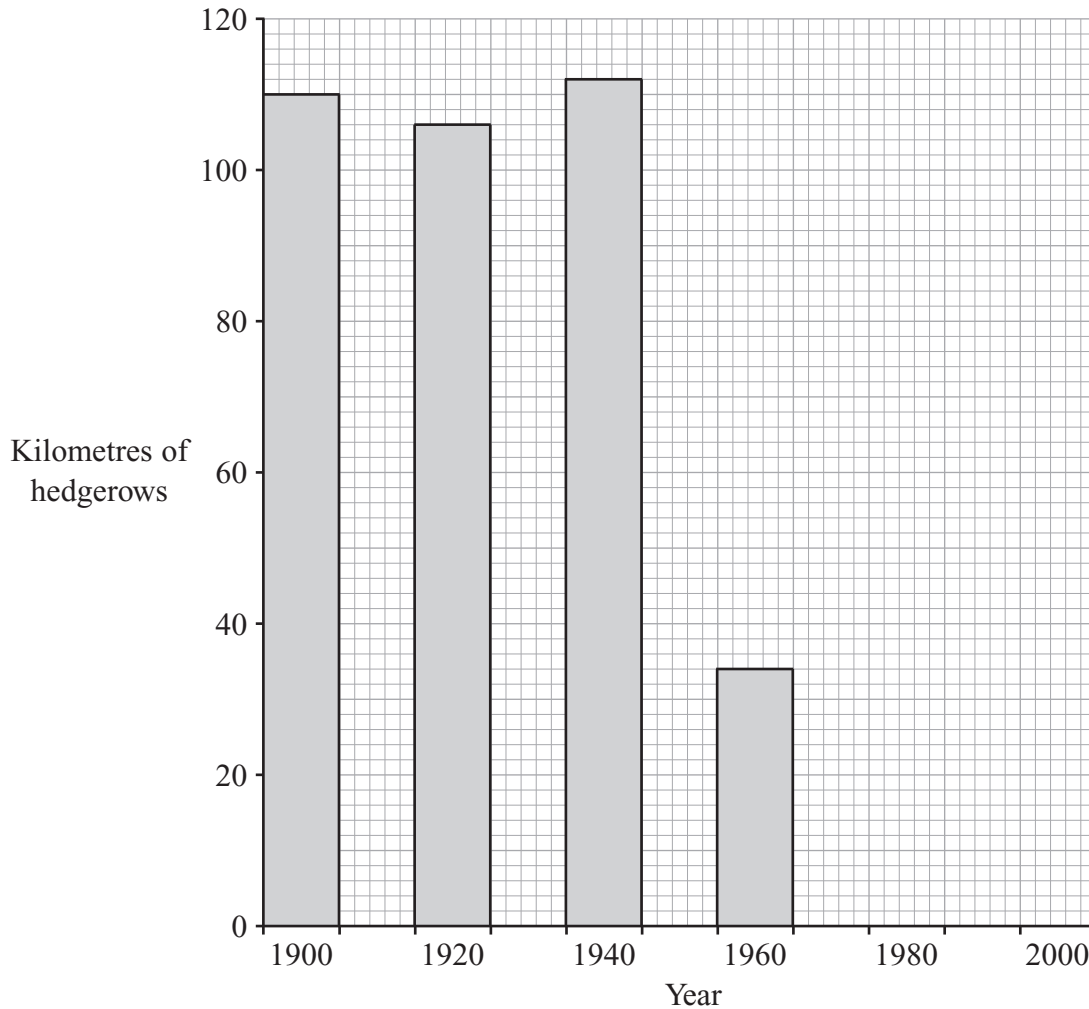


Figure 6

- (a) Complete the graph in **Figure 6** with the figures for 1980 and 2000.

Year	Kilometres of Hedgerow
1980	22
2000	19

(2 marks)

QUESTION 5 CONTINUES ON THE NEXT PAGE

Turn over ►

(b) Suggest reasons why habitats such as hedgerows are being destroyed.

.....
.....
.....
.....
.....
.....

(3 marks)

(c) Give **two** ways in which modern farming practices may affect the environment.

1

.....

2

.....

(2 marks)

7

NO QUESTIONS APPEAR ON THIS PAGE

TURN OVER FOR THE NEXT QUESTION

Turn over ►

6

Total for this question: 20 marks

- (a) Study **Figures 7A** and **7B** which show how a hill sheep farm in the Lake District changed between 1930 and 1995.

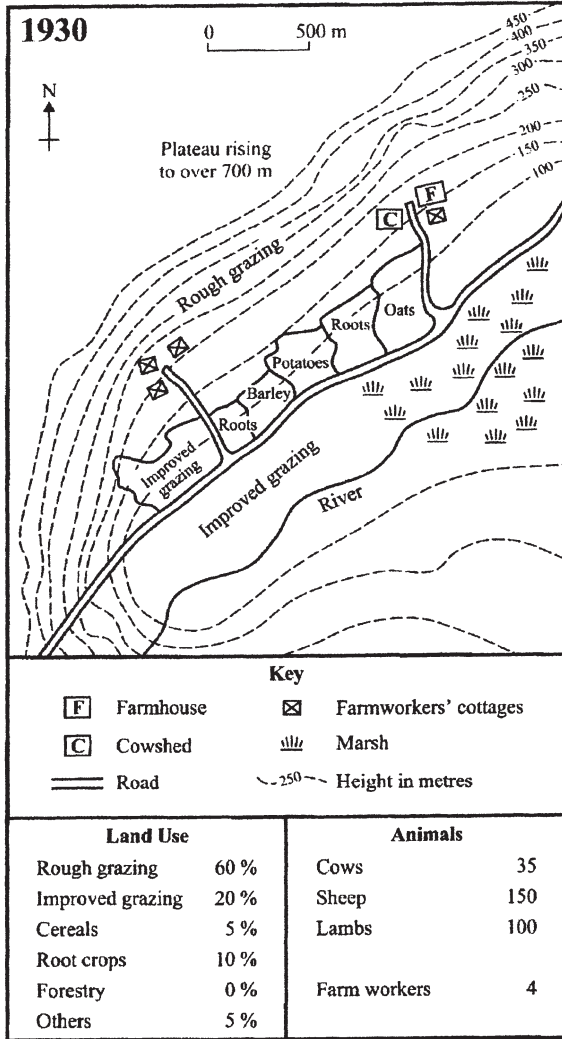


Figure 7A

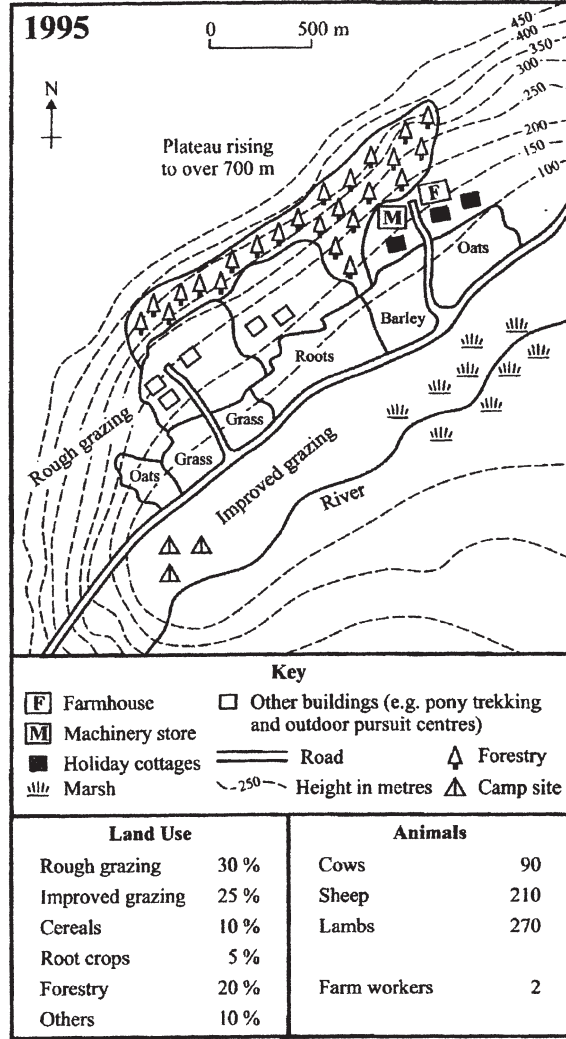


Figure 7B

- (i) Physical features have influenced the type of agriculture carried out on the farm shown in **Figures 7A** and **7B**.

Tick the **two** correct features in the following list.

Steep slopes	<input type="checkbox"/>
Low rainfall	<input type="checkbox"/>
Long growing season	<input type="checkbox"/>
Thin rocky soils	<input type="checkbox"/>

(2 marks)

(ii) What was the most common land use in 1930?

.....
.....

(1 mark)

(iii) Describe **two** ways in which the farm has changed between 1930 and 1995.

1

2

(2 marks)

(b) **Figure 8** shows how much money the farmer received when he sold his lambs between 1997 and 1999.

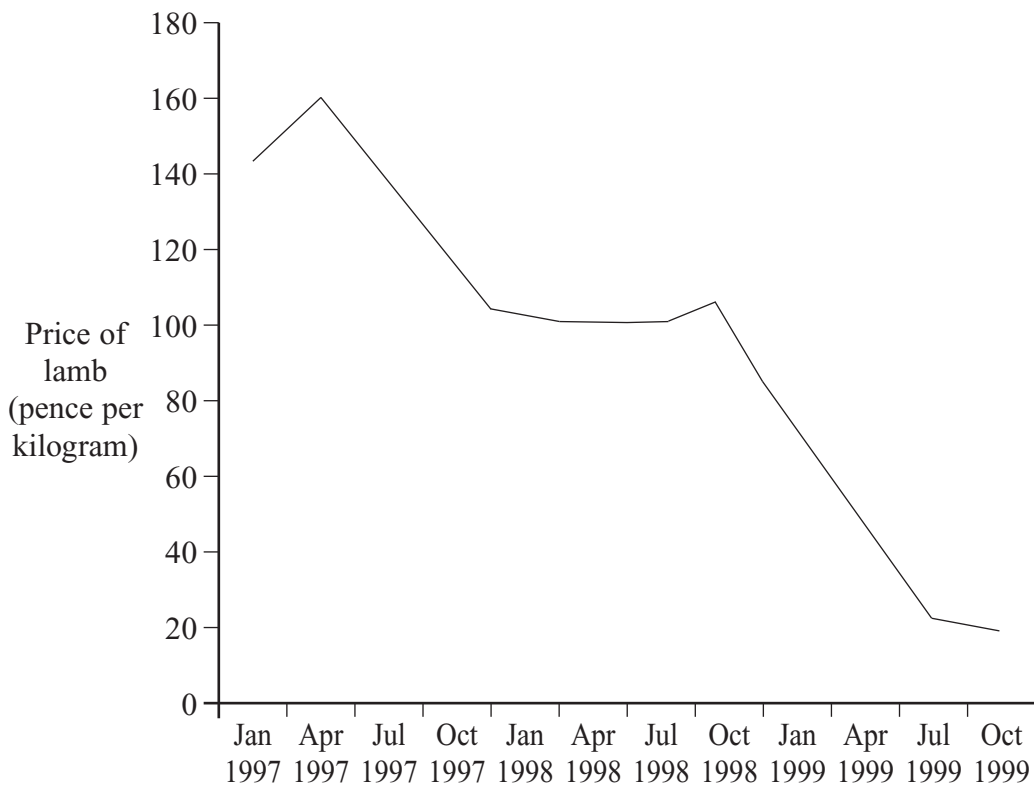


Figure 8

Describe how the price of lamb changed over this period.

.....
.....
.....
.....

(2 marks)

Turn over ►

(c) Explain why an East Anglian arable farmer faces fewer difficulties than a Lake District hill sheep farmer.

.....

.....

.....

.....

.....

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.....

.....

(4 marks)

(d) Study **Figures 9A** and **9B** on the insert. **Figure 9A** is a map showing part of the Lake District. **Figure 9B** is a simplified contour map of part of the same area.

(i) Use both maps to complete the table. Use the correct words from the following list:

- Riggindale Crag
- glacial trough
- Kidsty Howes
- ribbon lake
- arête
- Blea Water

	GLACIAL FEATURE	EXAMPLE
A		Haweswater
B	Lake in a corrie	
C		
D		

(5 marks)

(ii) Explain the formation of a corrie.

.....

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(4 marks)

TURN OVER FOR THE NEXT QUESTION

Turn over ►

7

Total for this question: 20 marks

(a) Study **Figure 10** which shows the chemical industry as a system.

Inputs	Processes	Outputs
salt limestone Energy: electricity Human: money labour	Cooling Burning Washing	Chemicals Plastics Waste Industrial gases
<div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<div style="border: 1px solid black; height: 30px; width: 100%;"></div>

Figure 10

(i) Add the following labels to the boxes in **Figure 10**.

You must decide if these are inputs, processes or outputs.

Products

Raw Materials

Refining

(2 marks)

(ii) What is the meaning of the term “raw materials”?

.....

.....

(1 mark)

(iii) What is the meaning of the term “processes”?

.....

.....

.....

.....

(2 marks)

(iv) Why are some “outputs”, such as waste, a problem for the chemical industry?

.....

.....

(1 mark)

(v) Give **two** reasons why the chemical industry can be described as a “heavy industry”.

1.....

.....

2.....

.....

(2 marks)

QUESTION 7 CONTINUES ON THE NEXT PAGE

Turn over ►

(b) Study the sketch map, **Figure 11**, which shows the area between eastings 71 and 74 and between northings 91 and 94 on the Ordnance Survey map extract, **Figure 1**.

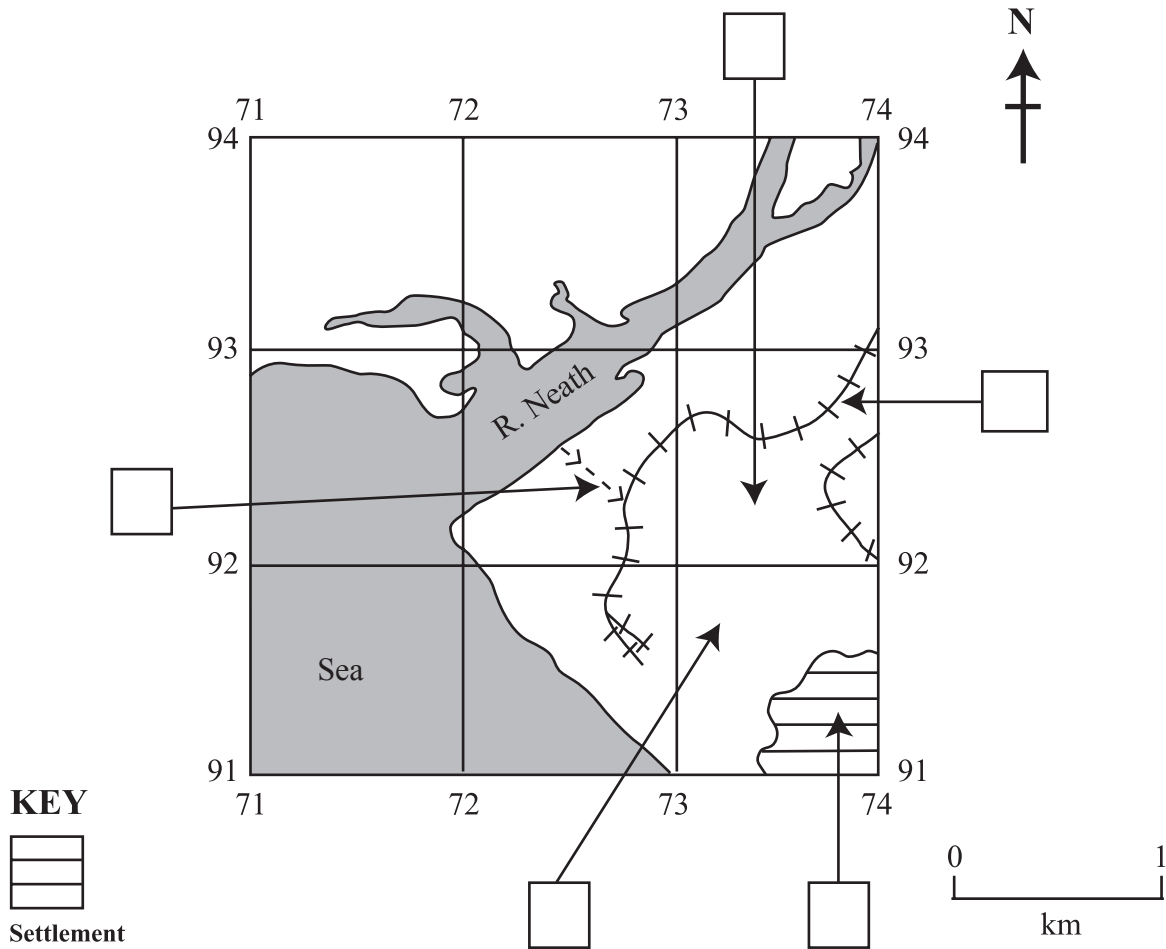


Figure 11

The following are advantages for the location of a chemical industry in this part of South Wales.

Put the correct letter in the correct box on **Figure 11** to show the advantages of the location.

	ADVANTAGE
A	Large area of flat land
B	Local towns to provide a labour force
C	Pipeline
D	Large site for storage
E	Railway connections to main line

(4 marks)

(c) (i) What is meant by the term “footloose industry”?

.....
.....
.....
.....

(2 marks)

(ii) Explain why high-tech industry has grown up along the M4 corridor.

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(4 marks)

(d) Give **two** ways government can influence the location of industry.

1

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2

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(2 marks)

END OF QUESTIONS

20

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Question 2	Figure 2	SCAA KS3 Optional Tests and Tasks, Kitchenham Ltd
Question 6	Figure 9a	Reproduced by permission of Ordnance Survey on behalf of The Controller of Her Majesty's Stationery Office, © Crown Copyright 100016622

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