

X208/201

NATIONAL
QUALIFICATIONS
2011

TUESDAY, 24 MAY
9.00 AM – 11.00 AM

GEOGRAPHY
INTERMEDIATE 2

Candidates should answer **four** questions: Section A

Question 1

and

Question 2

AND

Section B

any **two** questions from
Questions 3 to 7

Candidates should read the questions carefully. Answers should be clearly expressed and relevant.

Credit will always be given for appropriate sketch-maps and diagrams.

Write legibly and neatly, and leave a space of about one cm between the lines.

All maps and diagrams in this paper have been printed in black only: no other colours have been used.

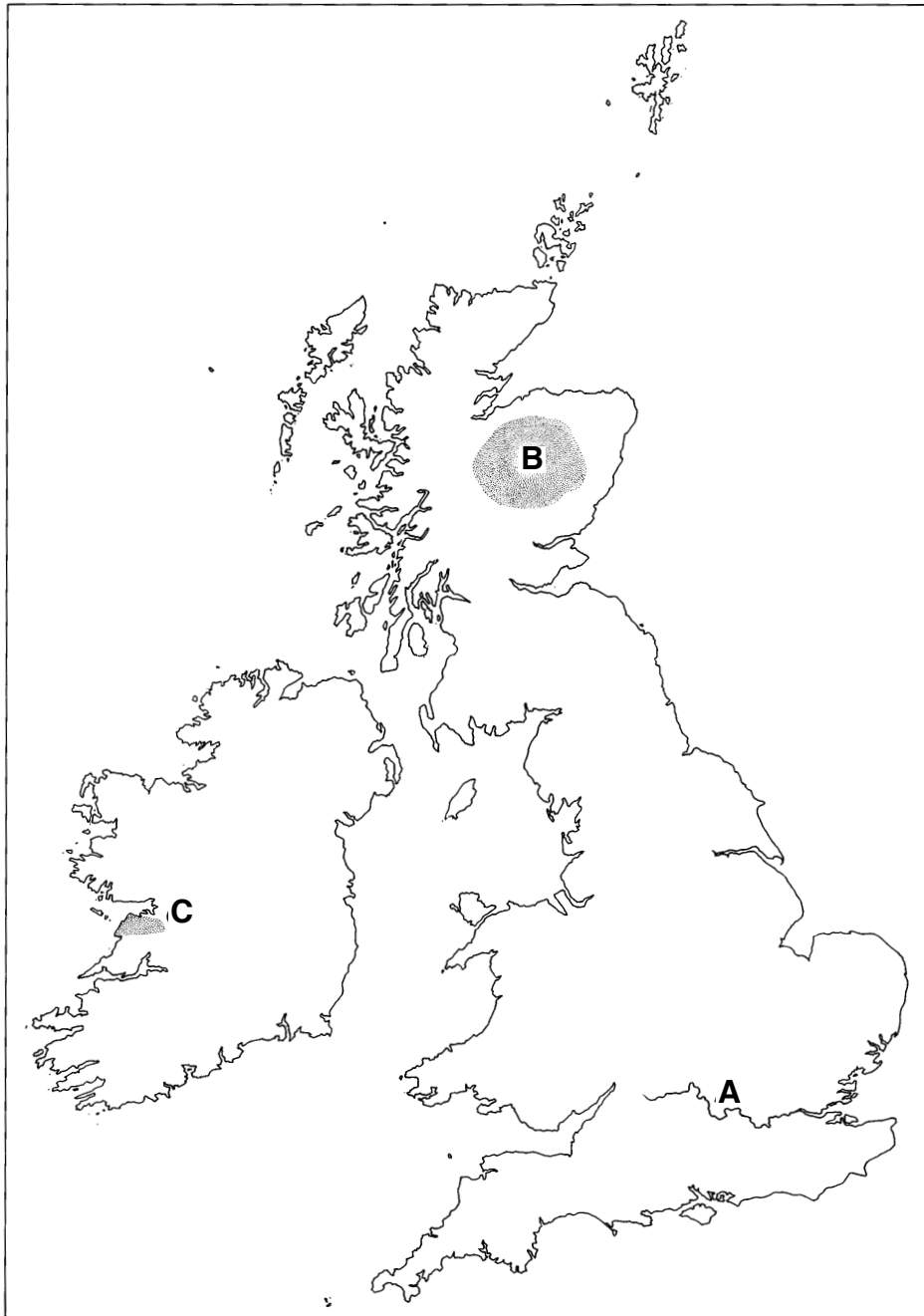


SECTION A

IN THIS SECTION YOU MUST ANSWER QUESTION 1 AND QUESTION 2.

Question 1: Physical Environments

Map Q1A: Scenic Areas in the British Isles



(a) Look at Map Q1A.

Name:

- (i) the river at A;
- (ii) area of upland glaciation B;
- (iii) area of limestone C.

1. (continued)

Diagram Q1B: Barafundle Bay (Grid Reference 9995)



- (b) Study the Ordnance Survey Map Extract (No 1881/158) and Diagram Q1B.

Explain the formation of headlands **and** bays.

You may wish to use diagrams.

4

[Turn over

1. (continued)

Diagram Q1C: Pembroke

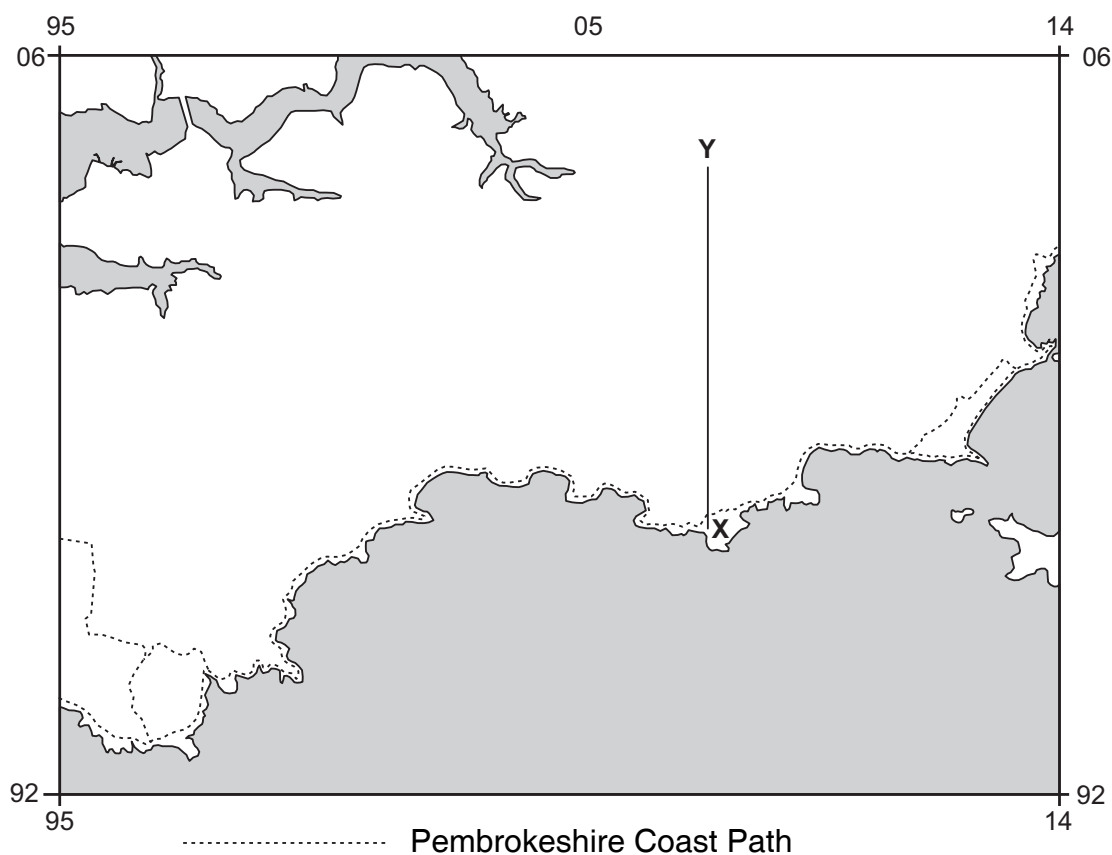
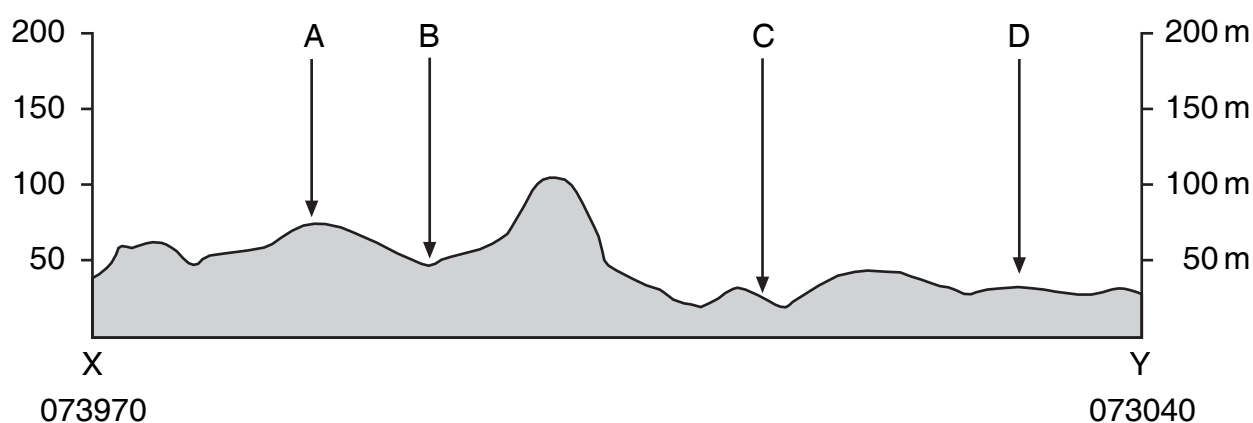


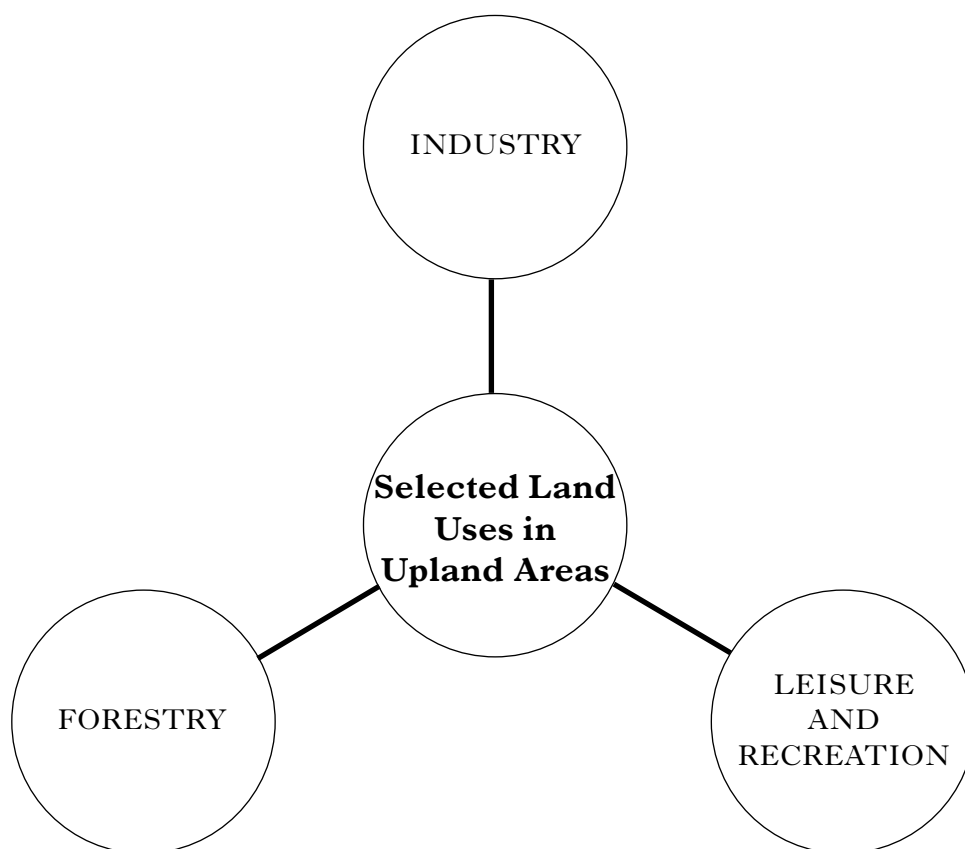
Diagram Q1D: Cross Section from GR 073970 to GR 073040



- (c) (i) Look at the Ordnance Survey Map and Diagrams Q1C and Q1D.
Match the letters (A, B, C and D) on the cross section above with the correct feature below.
- | | | | | | |
|-------------------|----------------|--------------|-----------------|-----------------------|----------|
| Cycle Path | Railway | A4139 | Forestry | National Trail | 4 |
|-------------------|----------------|--------------|-----------------|-----------------------|----------|
- (ii) The Pembroke coast path attracts a lot of walkers to the area.
Using map evidence, **explain** why. **4**

1. (continued)

Diagram Q1E: Selected Land Uses in Upland Areas



(d) Study Diagram Q1E above.

For an upland area you have studied:

- (i) Choose **one** of the land uses shown in the diagram. **Explain** the economic **and** environmental impact of the land use.
- (ii) What methods are used to reduce the environmental impact of your chosen land use?

6

4

(25)

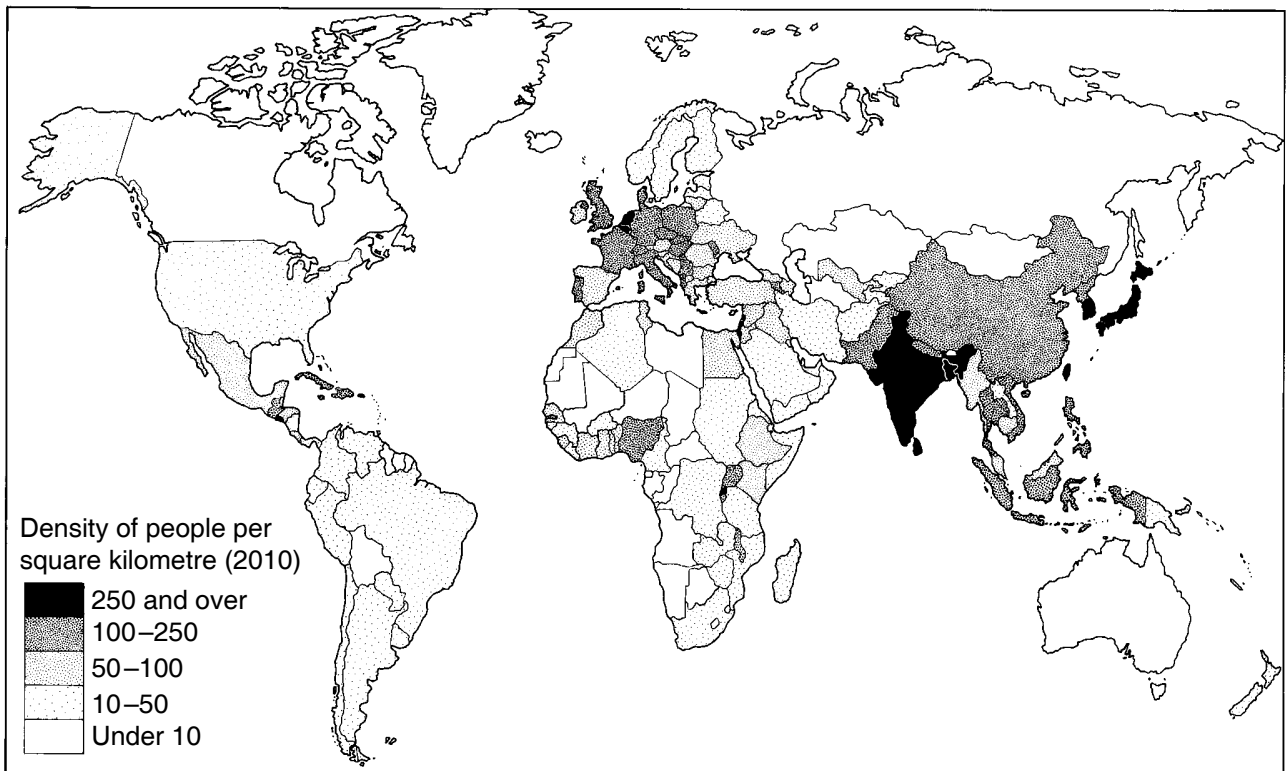
[END OF QUESTION 1]

NOW GO ON TO QUESTION 2

[Turn over

Question 2: Human Environments

Map Q2A: World Population Density



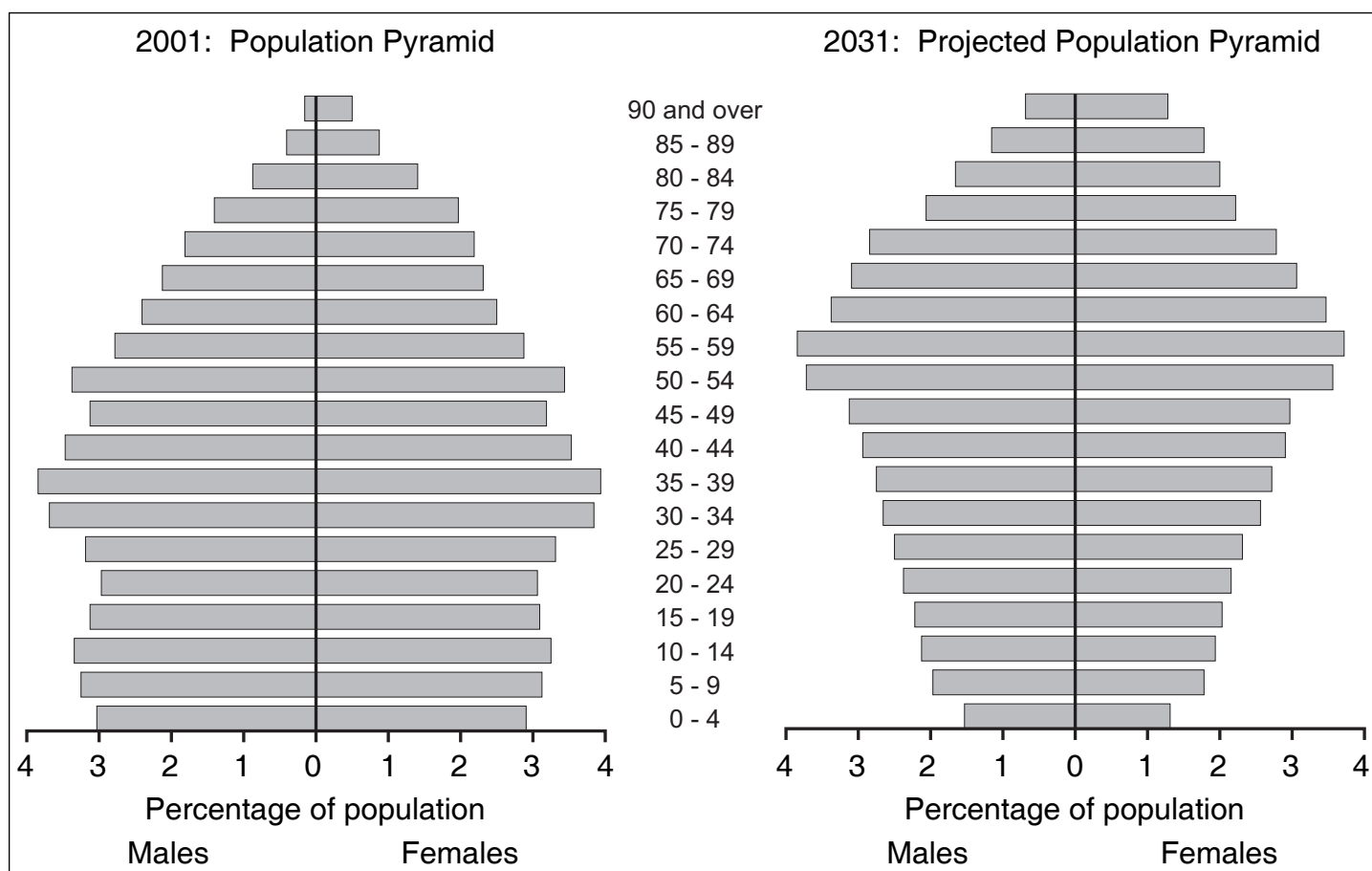
(a) Study Map Q2A.

Referring to both **human** and **physical** factors, **explain** why some areas of the world are more densely populated than others.

5

2. (continued)

Diagram Q2B: Population Pyramids, Scotland



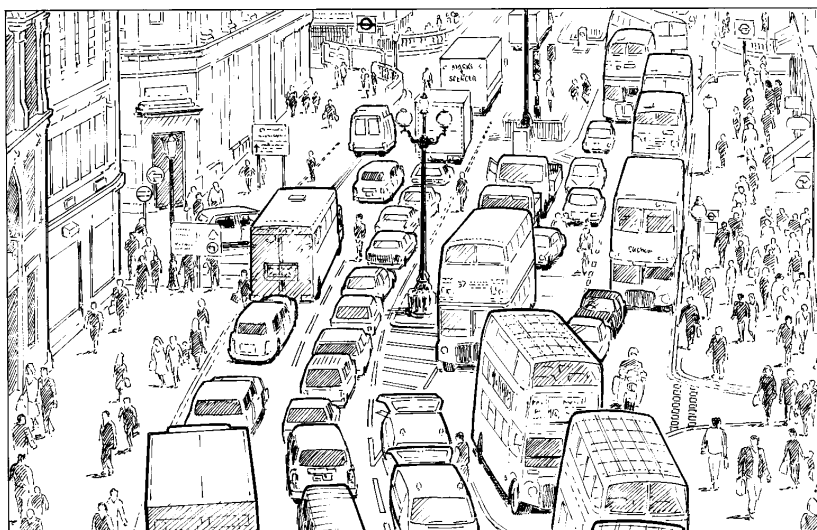
(b) Study Diagram Q2B.

For Scotland, or any other country you have studied, describe problems which may be caused by the population changes shown above.

5

[Turn over

2. (continued)

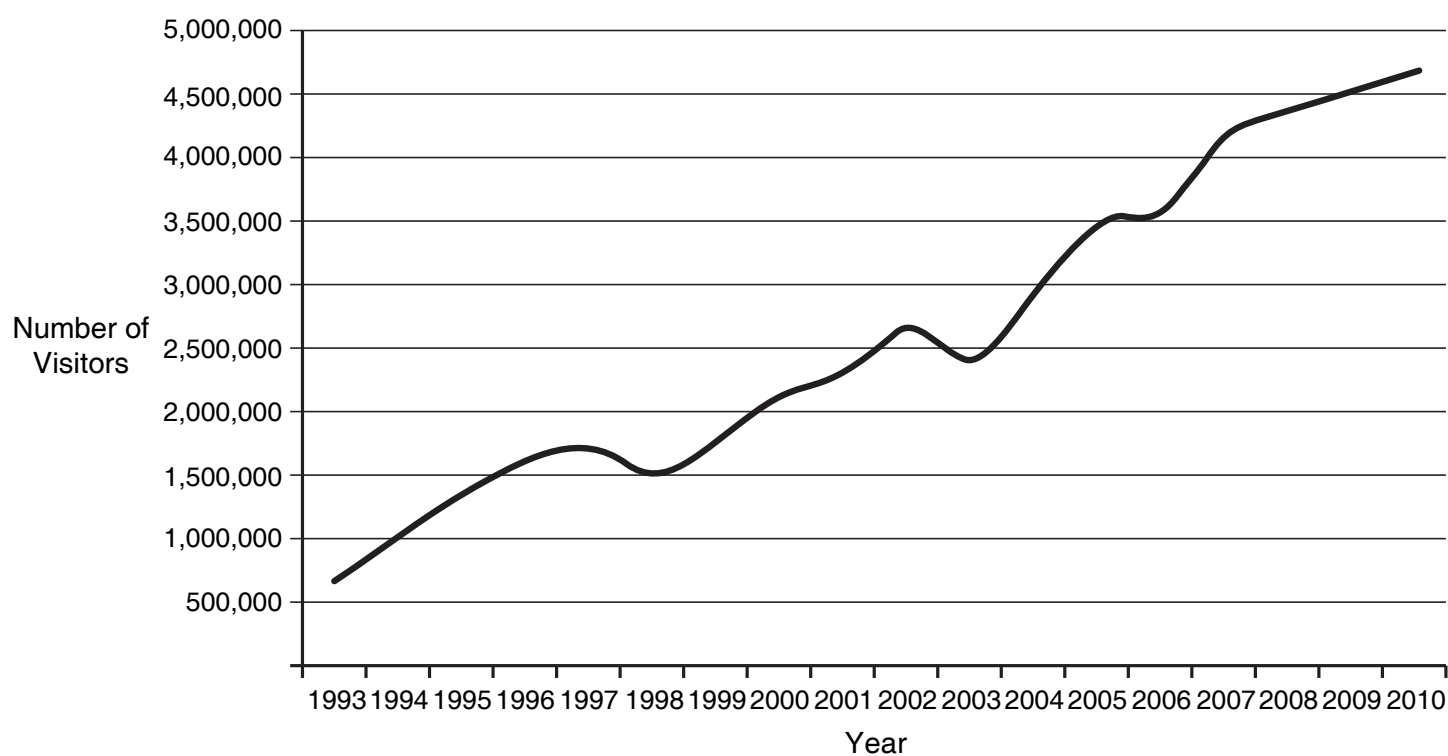
Diagram Q2C: City Centre Traffic Congestion

(c) Study Diagram Q2C.

For a city in a developed country you have studied:

- (i) what methods have been used to encourage people to use public transport;
- (ii) how successful have these methods been?

6

Diagram Q2D: Tourists Visiting Vietnam

(d) Study Diagram Q2D.

Describe the benefits **and** problems caused by increased tourism in developing countries.

5

2. (continued)

Diagram Q2E: Old Industrial Landscape 1970

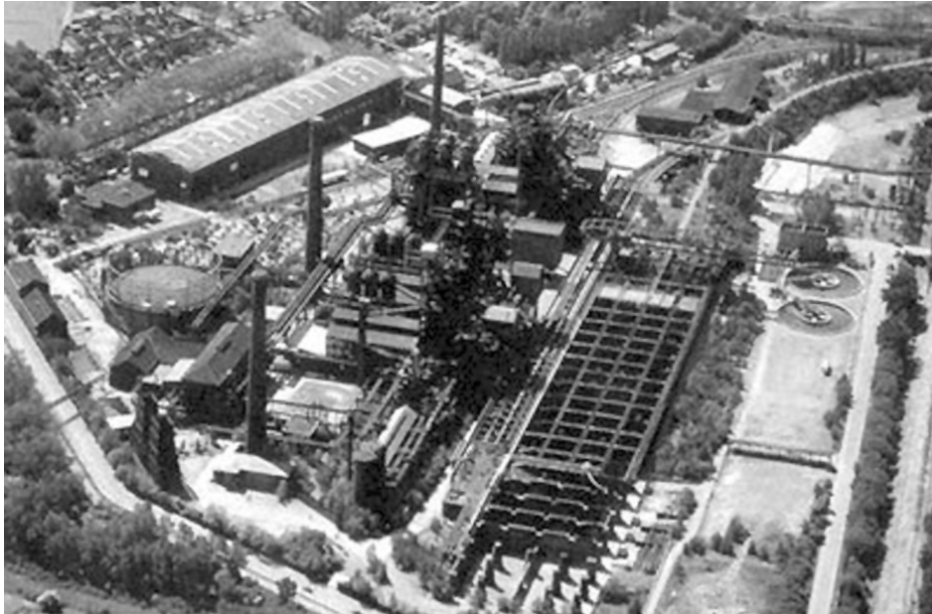


Diagram Q2F: New Industrial Landscape 2010



- (e) Study Diagrams Q2E and Q2F.
Industrial landscapes in many areas have changed since 1970.
In what ways have these changes improved the environment?

4
(25)

[END OF SECTION A]

NOW TURN TO SECTION B AND ANSWER TWO QUESTIONS

SECTION B

Environmental Interactions

Answer any two questions from this section.

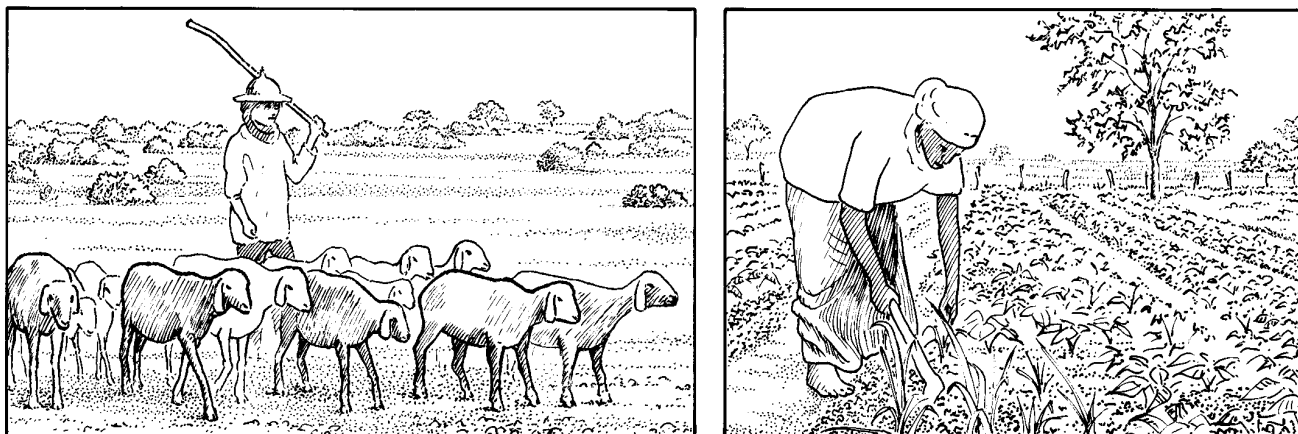
Choose from

- | | | |
|------------|--|------------------|
| Question 3 | Rural Land Degradation | (Page 11) |
| Question 4 | River Basin Management | (Page 12) |
| Question 5 | European Environmental Inequalities | (Pages 14 to 15) |
| Question 6 | Development and Health | (Page 16) |
| Question 7 | Environmental Hazards | (Page 17) |

SECTION B

Question 3: Rural Land Degradation

Diagram Q3A: Farming in the Sahel, Africa

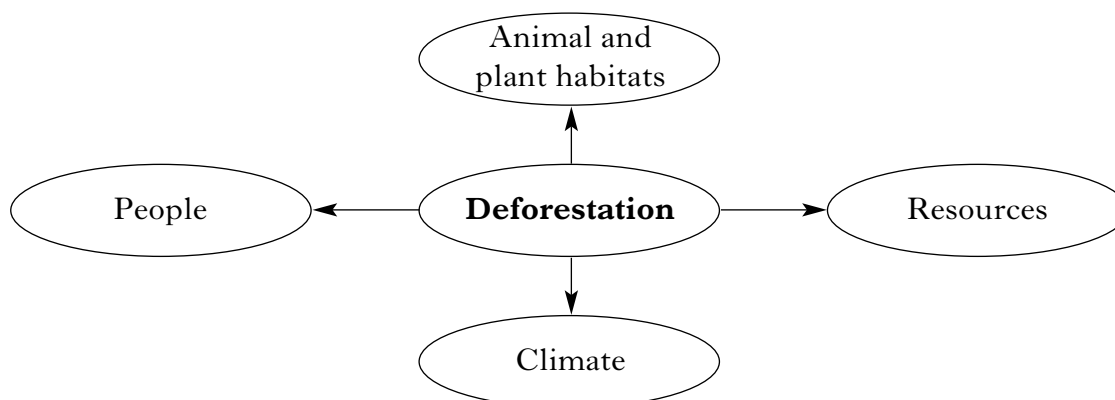


(a) Study Diagram Q3A.

Explain how traditional farming methods may lead to land degradation.

6

Diagram Q3B: Effects of Deforestation



(b) Study Diagram Q3B.

For an area you have studied:

- (i) describe the possible effects of deforestation;
- (ii) describe methods used to reduce deforestation.

5

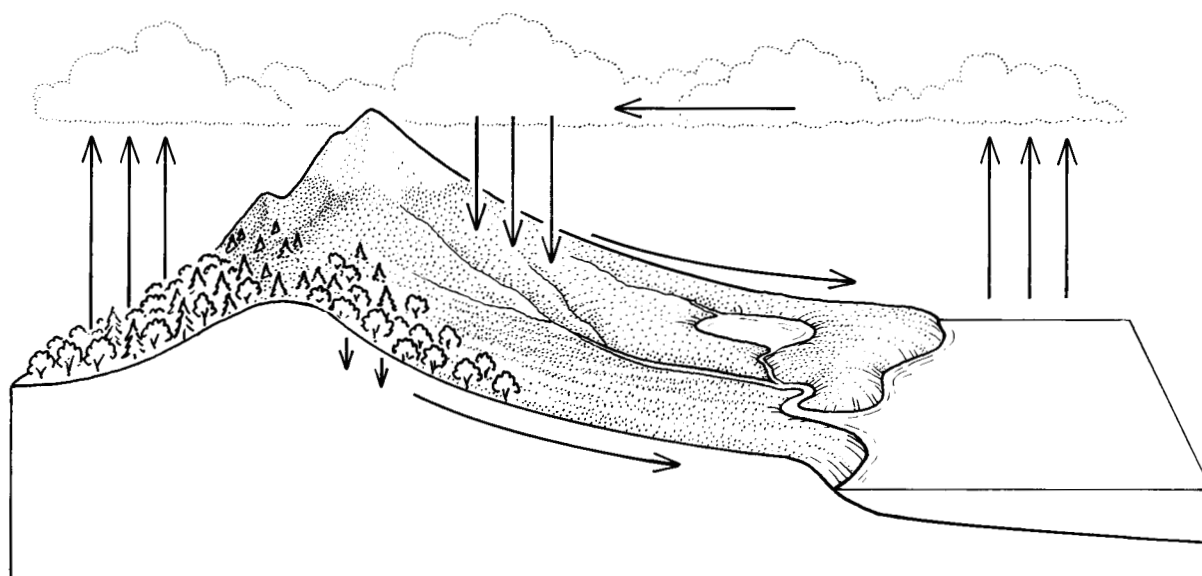
4

(15)

[Turn over

Question 4: River Basin Management

Diagram Q4A: The Hydrological Cycle

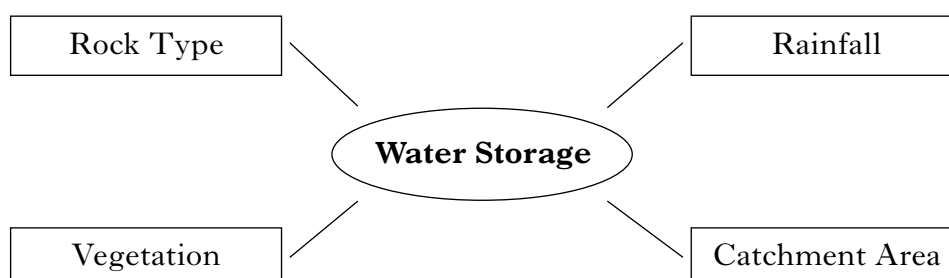


(a) Study Diagram Q4A.

Describe, **in detail**, the processes taking place in the hydrological cycle.

5

Diagram Q4B: River Basin Features



Study Diagram Q4B.

(b) **Explain** how the features shown above can affect the amount of water which can be stored in a river basin.

5

(c) For a water control project you have studied, **explain** the environmental problems which have resulted from the scheme.

5

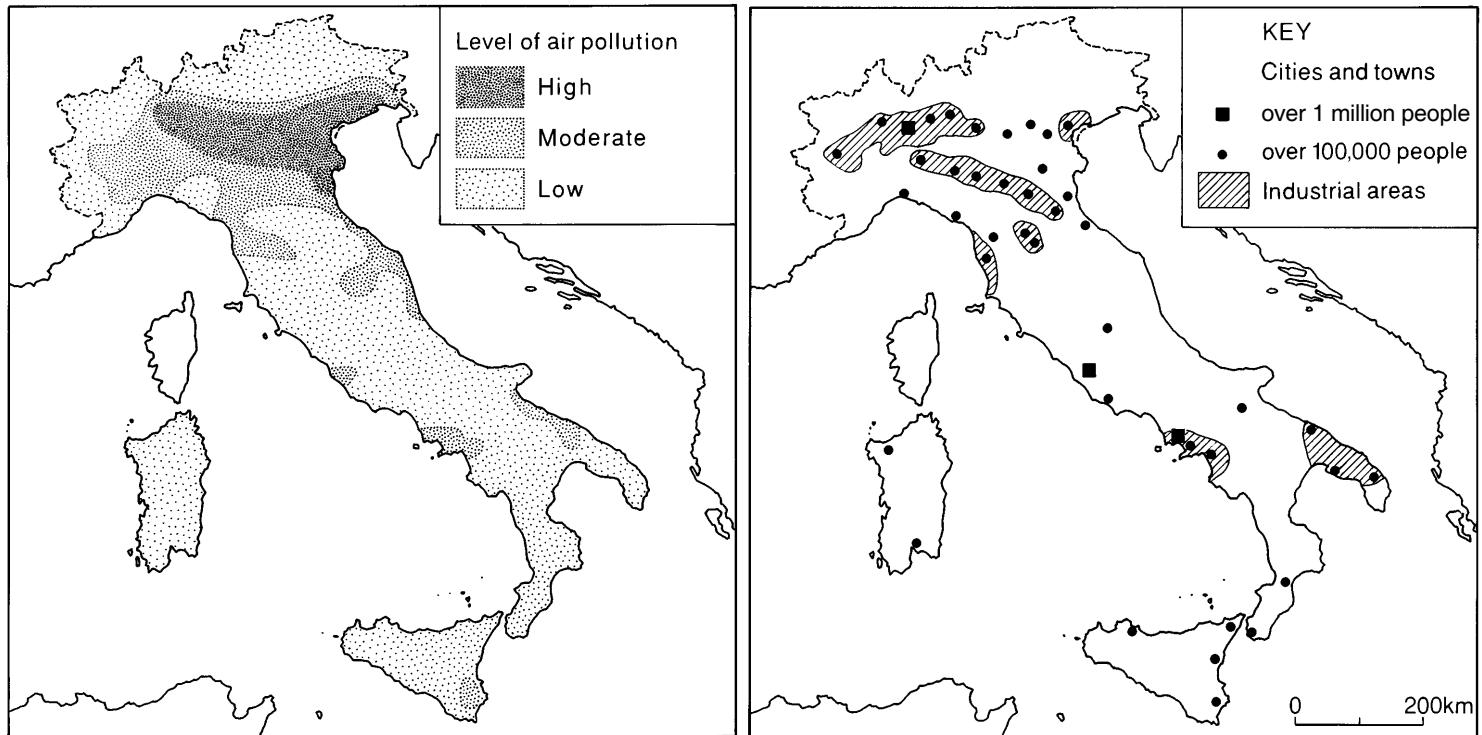
(15)

[Turn over for Question 5 on *Page fourteen*

Question 5: European Environmental Inequalities

Map Q5A: Levels of Air Pollution in Italy

Map Q5B: Major Cities and Population Density in Italy

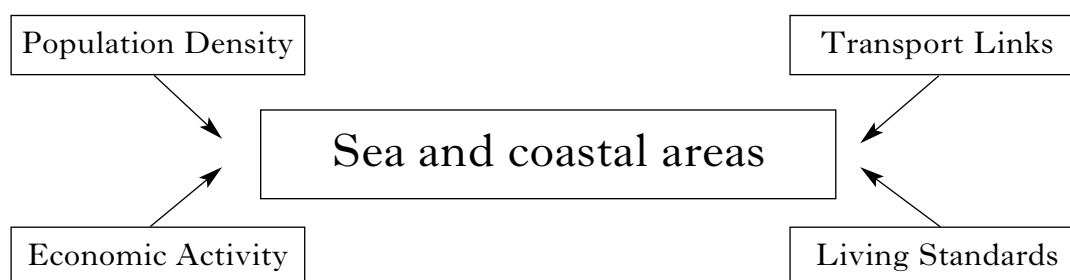


Study Maps Q5A and Q5B.

(a) **Explain** the pattern of air pollution in Italy.

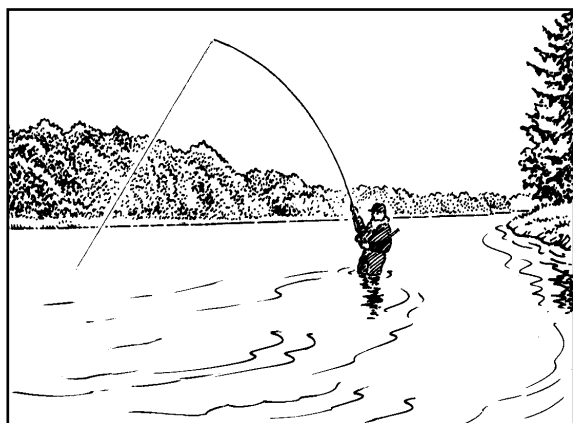
4

5. (continued)

Diagram Q5C: Factors Affecting Environmental Quality of Sea and Coastal Areas

- (b) For a sea and coastal area you have studied, **explain** the different factors which can affect environmental quality.

5

Diagram Q5D: European Rivers

- (c) For any river you have studied:
- (i) describe methods of improving or maintaining environmental quality;
 - (ii) how effective have these methods been?

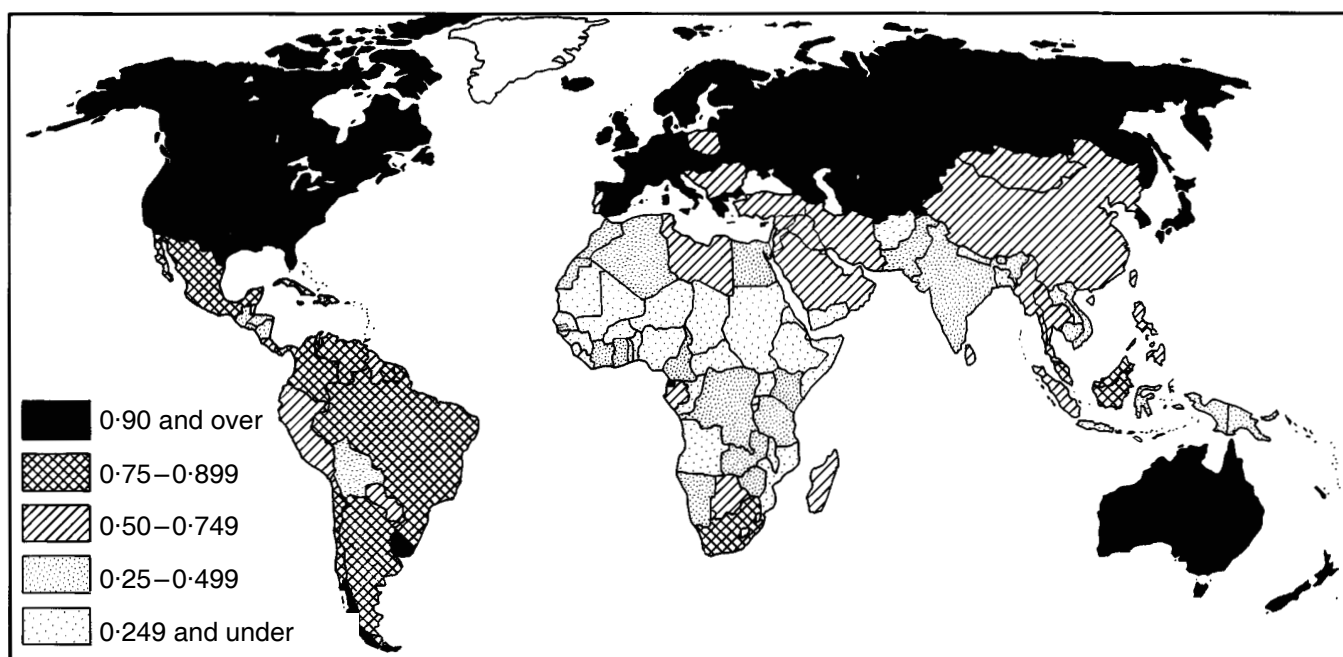
6

(15)

[Turn over

Question 6: Development and Health

Map Q6: Human Development Index



(a) Study Map Q6.

Referring to both human **and** physical factors, **explain** why some countries are more developed than others.

6

(b) Describe the main causes of either AIDS **or** heart disease.

4

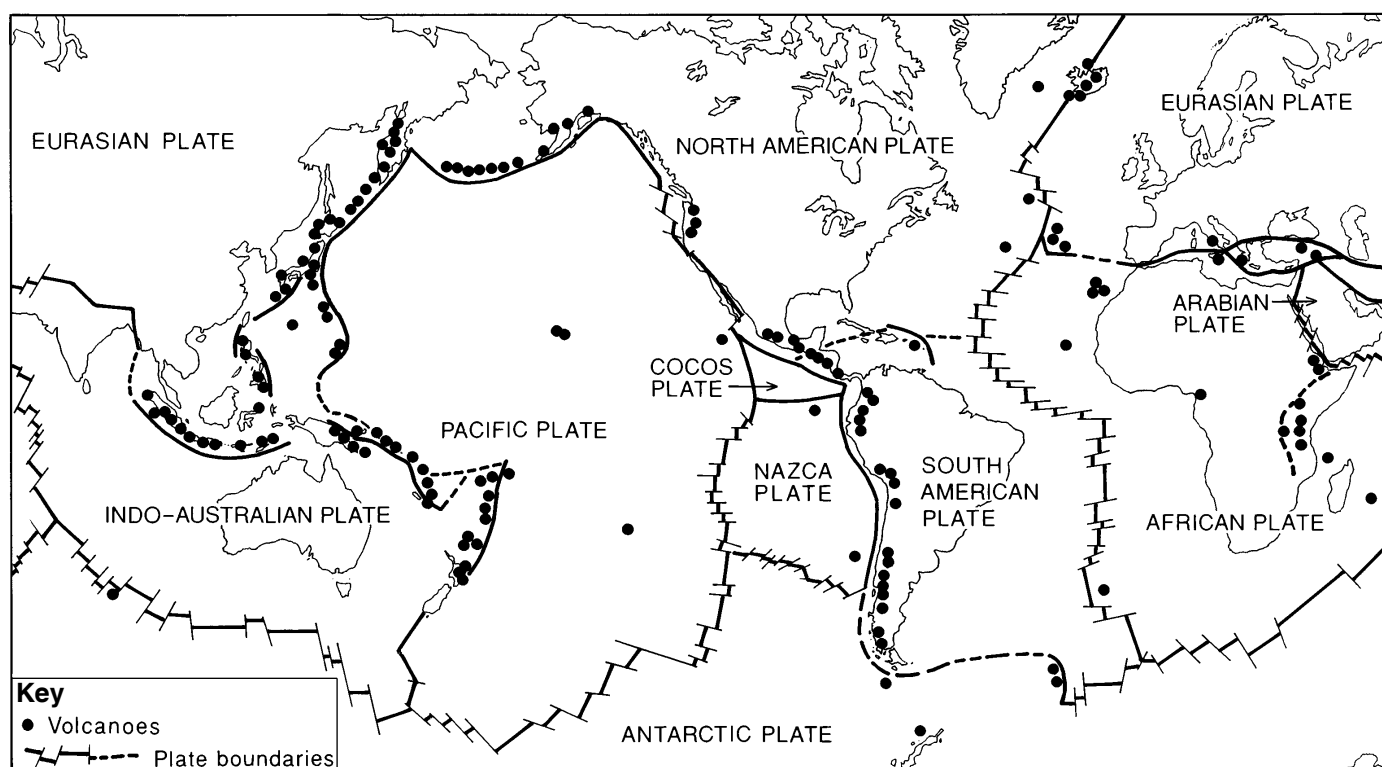
(c) For malaria **or** AIDS, what are the consequences of the disease for the population in an affected area?

5

(15)

Question 7: Environmental Hazards

Map Q7: Distribution of Volcanoes



(a) Study Map Q7.

Explain the main causes of volcanic activity.

5

(b) Describe methods used to predict volcanic eruptions and earthquakes.

4

(c) For a tropical storm you have studied, **explain** the need for both long-term **and** short-term aid.

6

(15)

[END OF QUESTION PAPER]

[BLANK PAGE]

[BLANK PAGE]

[BLANK PAGE]