

X208/201

NATIONAL
QUALIFICATIONS
2009

WEDNESDAY, 27 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.

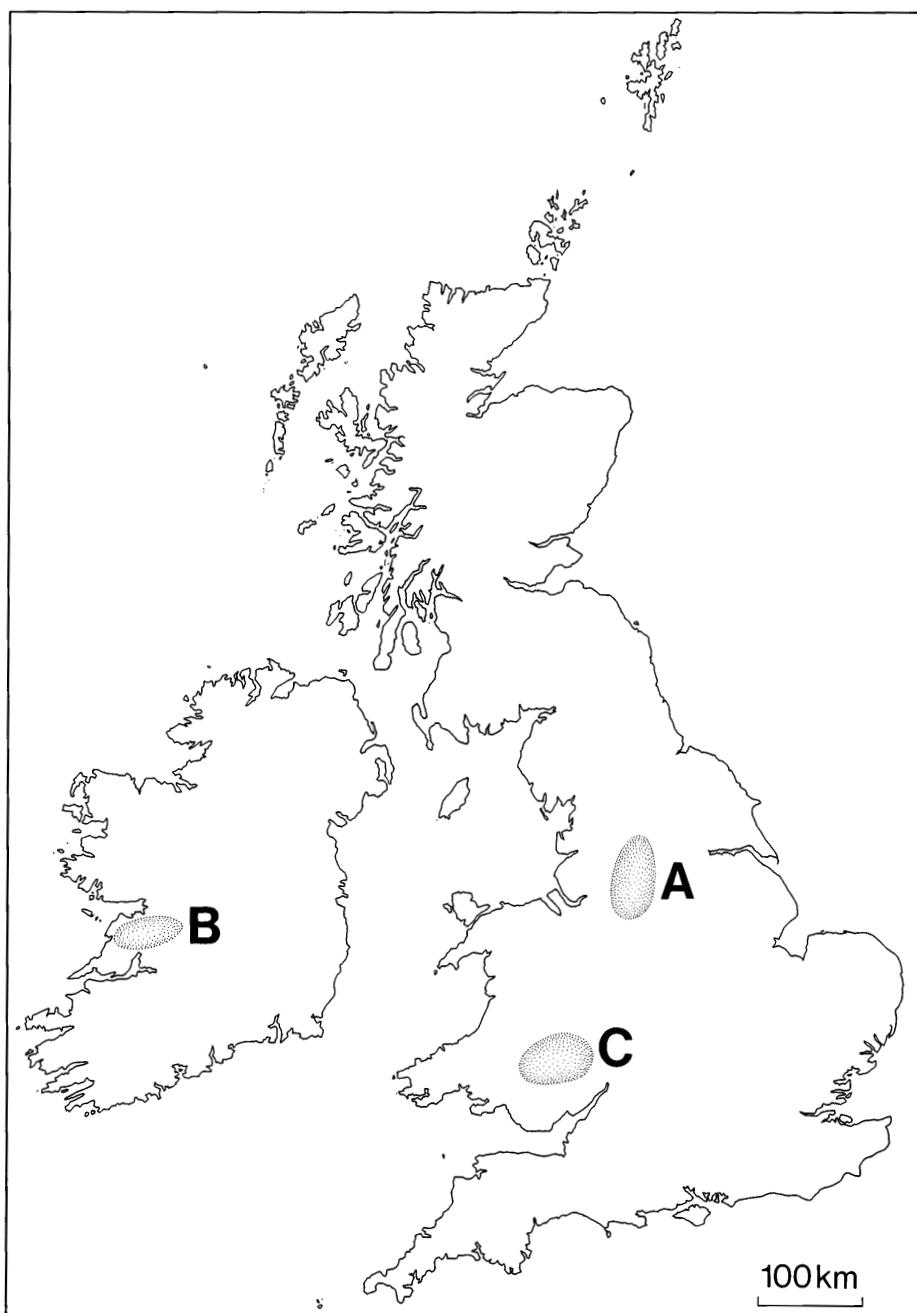


SECTION A

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

Question 1: Physical Environments

Reference Diagram Q1A



(a) Look at Reference Diagram Q1A.

Name the **three** areas of upland limestone shown on the map.

3

1. (continued)

(b) Study the Ordnance Survey Map Extract (No 1744/OL2).

- (i) Match each of the following landscape features found on the map with the correct grid reference.

Limestone pavement Gorge Shake Hole Pot Holes

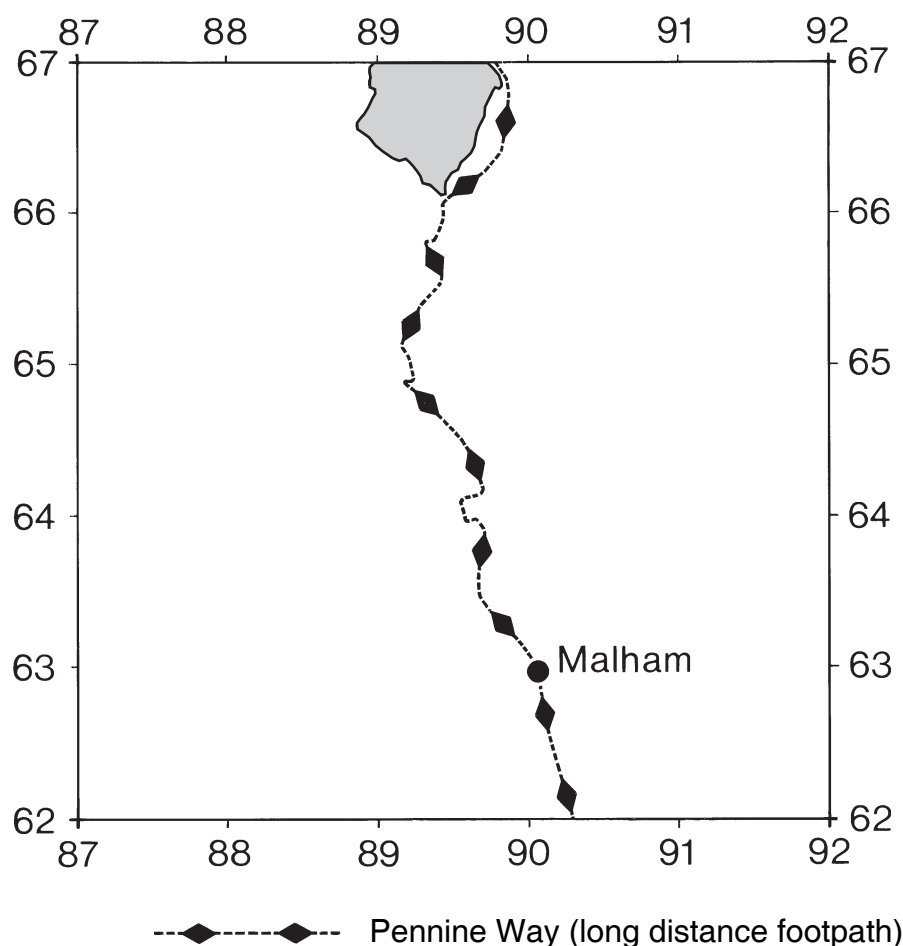
Choose from:

Grid References 872662 914638 903647 873647 906654. **4**

- (ii) For **one** of the features mentioned above, **explain** how it was formed.

You may wish to use a diagram(s) in your answer. **4**

Reference Diagram Q1B



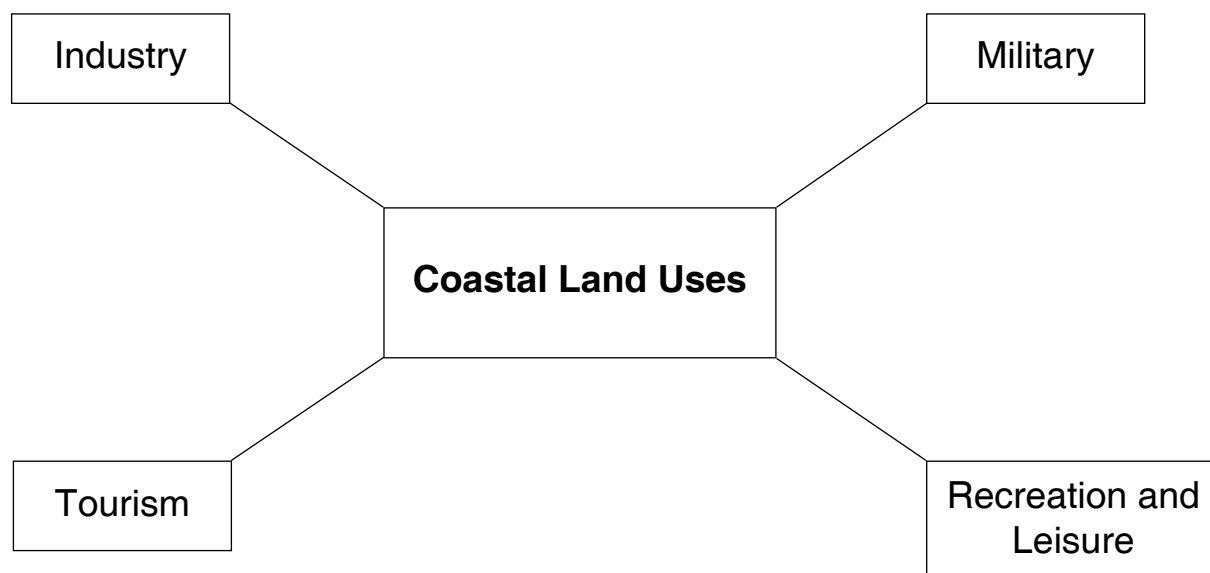
- (iii) Study the Ordnance Survey Map Extract (No 1744/OL2) and Reference Diagram Q1B.

Explain why this is a suitable route for the Pennine Way.

4

1. (continued)

Reference Diagram Q1C



- (c) (i) Select any **two** of the above land uses.

For a **coastal** area you have studied, describe the **economic benefits** and **environmental problems** for each land use selected.

6

- (ii) How do public **and** voluntary organisations try to reduce the problems you identified in part (i)?

4

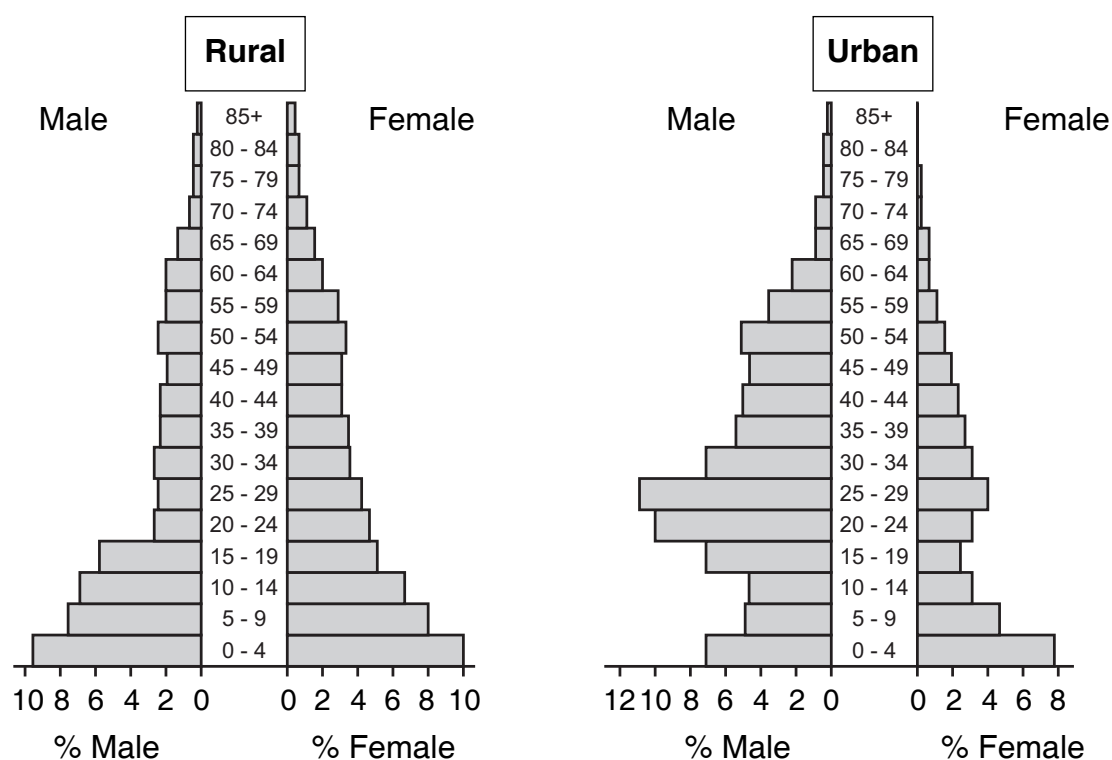
(25)

[END OF QUESTION 1]

NOW GO ON TO QUESTION 2

Question 2: Human Environments

Reference Diagram Q2A: Population Pyramids for an Economically Less Developed Country (ELDC)



(a) Look at Reference Diagram Q2A.

(i) Describe the main **differences** in the population structures between the **rural** and **urban** areas, shown in Reference Diagram Q2A, in an ELDC.

3

(ii) Suggest reasons for the differences you described in (a)(i).

4

Reference Diagram Q2B: Infant Mortality Statistics

<i>Country</i>	<i>Infant Mortality per 1000 live Births</i>
USA	6
UK	5
India	54
Bangladesh	60

(b) **Explain** why Economically More Developed Countries (EMDCs) have a low infant mortality rate.

3

[Turn over

2. (continued)

Reference Diagram Q2C



- (c) For any named Economically Less Developed city you have studied, describe measures taken to improve the quality of life in shanty towns.

5

Reference Diagram Q2D: Recent Changes in Agriculture in Economically Less Developed Countries (ELDCs)

Increased use of
Chemical fertilisers

Increased
Mechanisation

- (d) What benefits **and** problems have changes such as those shown in the diagram brought to ELDCs?

5

2. (continued)

Reference Diagram Q2E: Nueva Condomina—Murcia in Spain



The shopping centre includes a 15 screen multiplex and a 13 700 m² Hypermarket. There is parking for 6500 cars.

- (e) What are the advantages **and** disadvantages of this or any other Edge of Town shopping development you have studied?

5
(25)

[END OF SECTION A]

NOW TURN TO SECTION B AND ANSWER TWO QUESTIONS

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SECTION B

Environmental Interactions

Answer any two questions from this section.

Choose from

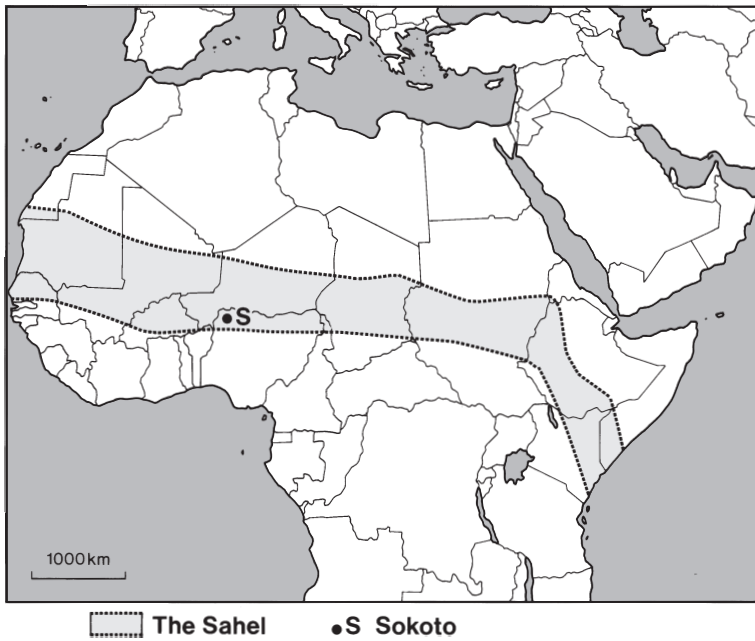
- | | | |
|------------|--|------------------|
| Question 3 | Rural Land Degradation | (Pages 10 to 11) |
| Question 4 | River Basin Management | (Pages 12 to 13) |
| Question 5 | European Environmental Inequalities | (Page 14) |
| Question 6 | Development and Health | (Page 15) |
| Question 7 | Environmental Hazards | (Page 16) |

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Question 3: Rural Land Degradation

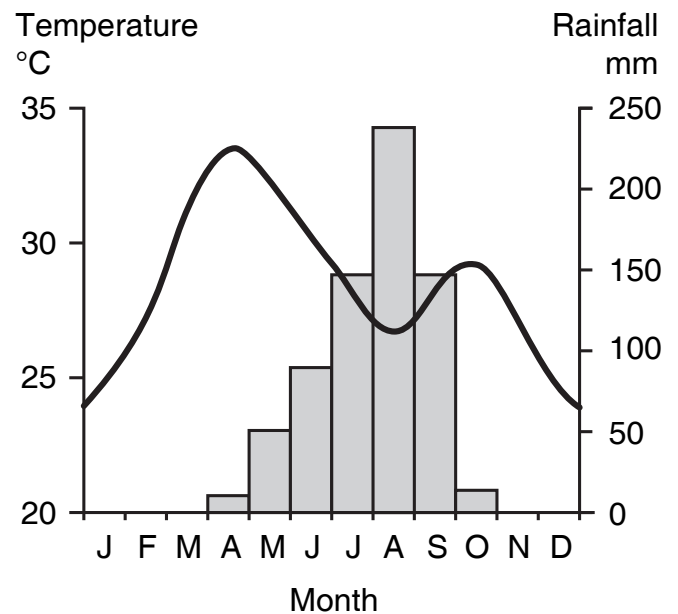
Reference Diagram Q3A: Sokoto, Nigeria

Location



Reference Diagram Q3B: Sokoto, Nigeria

Climate



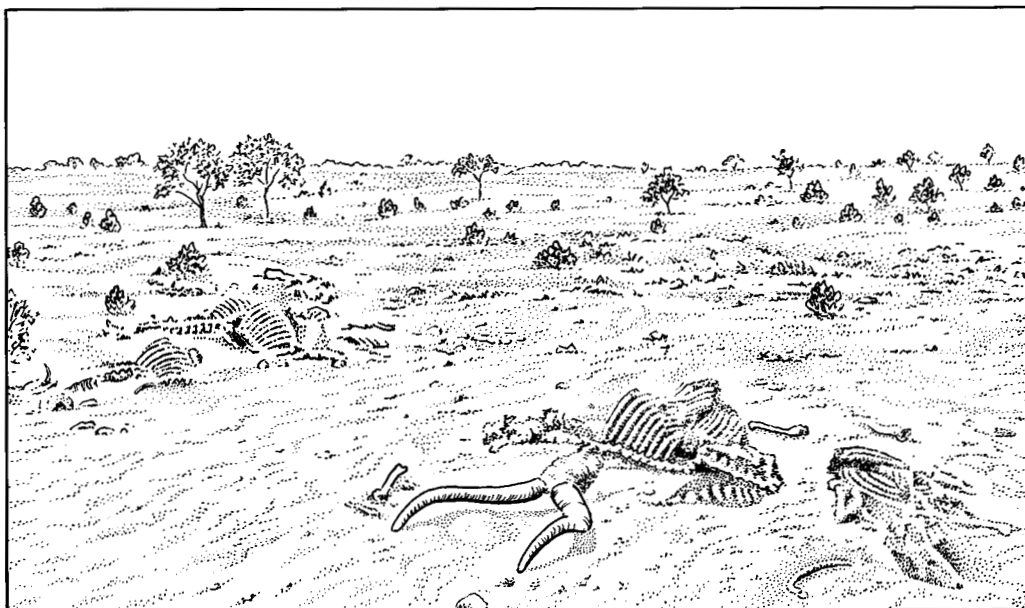
- (a) (i) Study Reference Diagrams Q3A and Q3B above.

Explain why the climate of Sokoto might cause desertification in the surrounding area.

3

3. (a) (continued)

Reference Diagram Q3C: Desertification



(ii) Study Reference Diagram Q3C.

Some countries are trying to reduce desertification.

(a) Describe the methods used.

(b) Do you think these methods are successful?

Explain your answer.

4

(b) (i) For a forested area you have studied, describe how farming can lead to land degradation.

4

(ii) Describe what can be done to prevent deforestation.

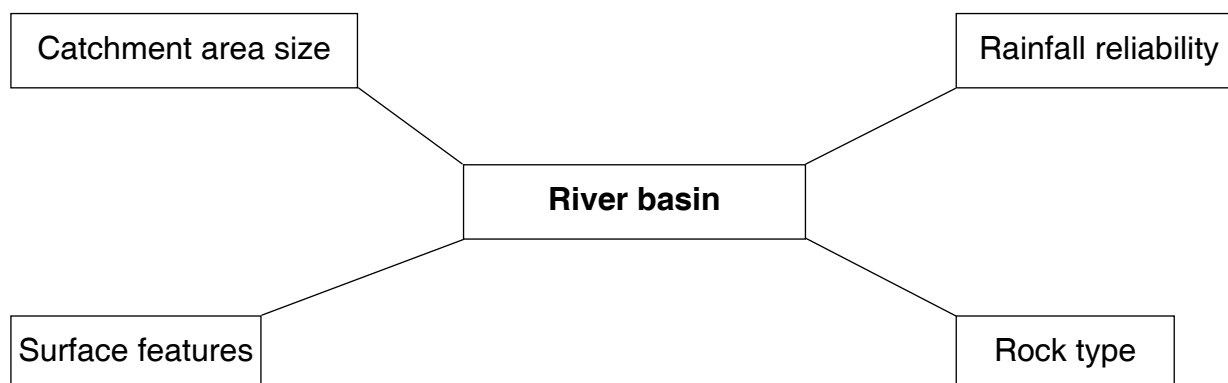
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Question 4: River Basin Management

Reference Diagram Q4A: Physical Characteristics of a River Basin



(a) Study Reference Diagram Q4A.

Why are some river basins better suited to water management projects than others?

4

Reference Diagram Q4B: Nile River Basin



(b) Study Reference Diagram Q4B.

For the Nile River basin, or any other river you have studied, what are the benefits of managing the river?

4

4. (continued)

Reference Diagram Q4C: Murray–Darling River Basin



2,000,000 householders live in the Murray–Darling river basin area.

(c) Study Reference Diagram Q4C.

- (i) What factors, other than household use, can increase the demand for water? Give reasons for your answer.

4

- (ii) Water control projects can cause political problems. Describe some of these problems.

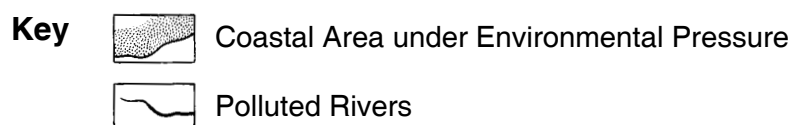
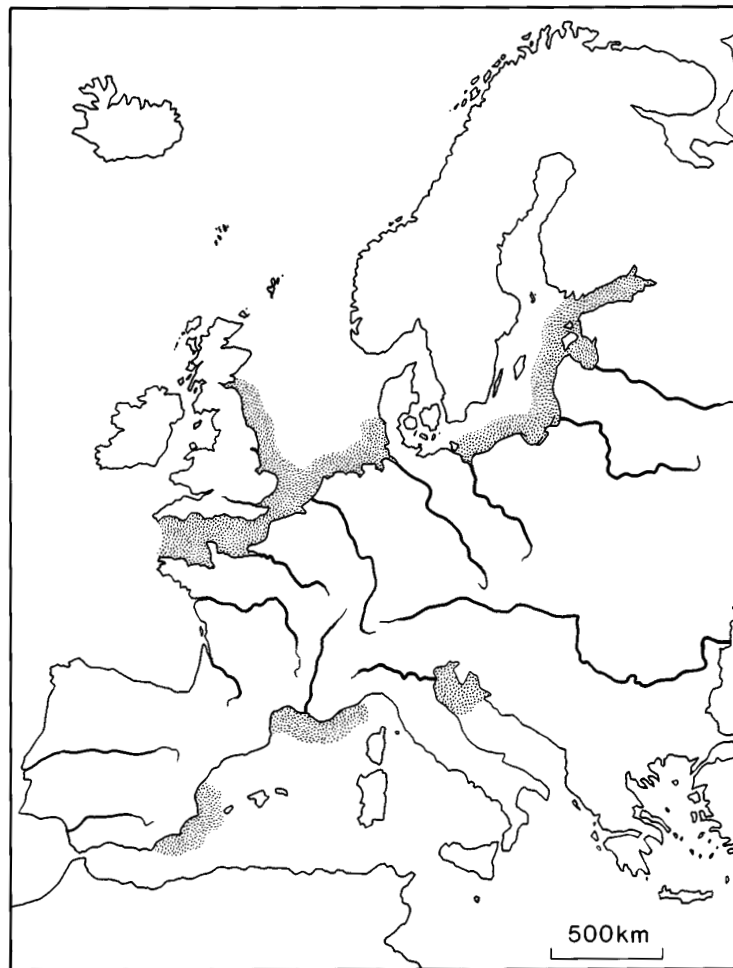
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Question 5: European Environmental Inequalities

Reference Map Q5A: Selected European Coastal Areas and Rivers under Environmental Pressure



(a) Study Reference Map Q5A.

Coastal areas are under increasing environmental pressure.

Referring to economic **and** social factors, **explain** why such areas are under threat.

5

(b) For any **two** rivers you have studied, **explain** differences in their environmental quality.

3

(c) (i) What methods have been used to improve environmental quality in either a coastal or mountain area you have studied?

4

(ii) Have these methods been successful?

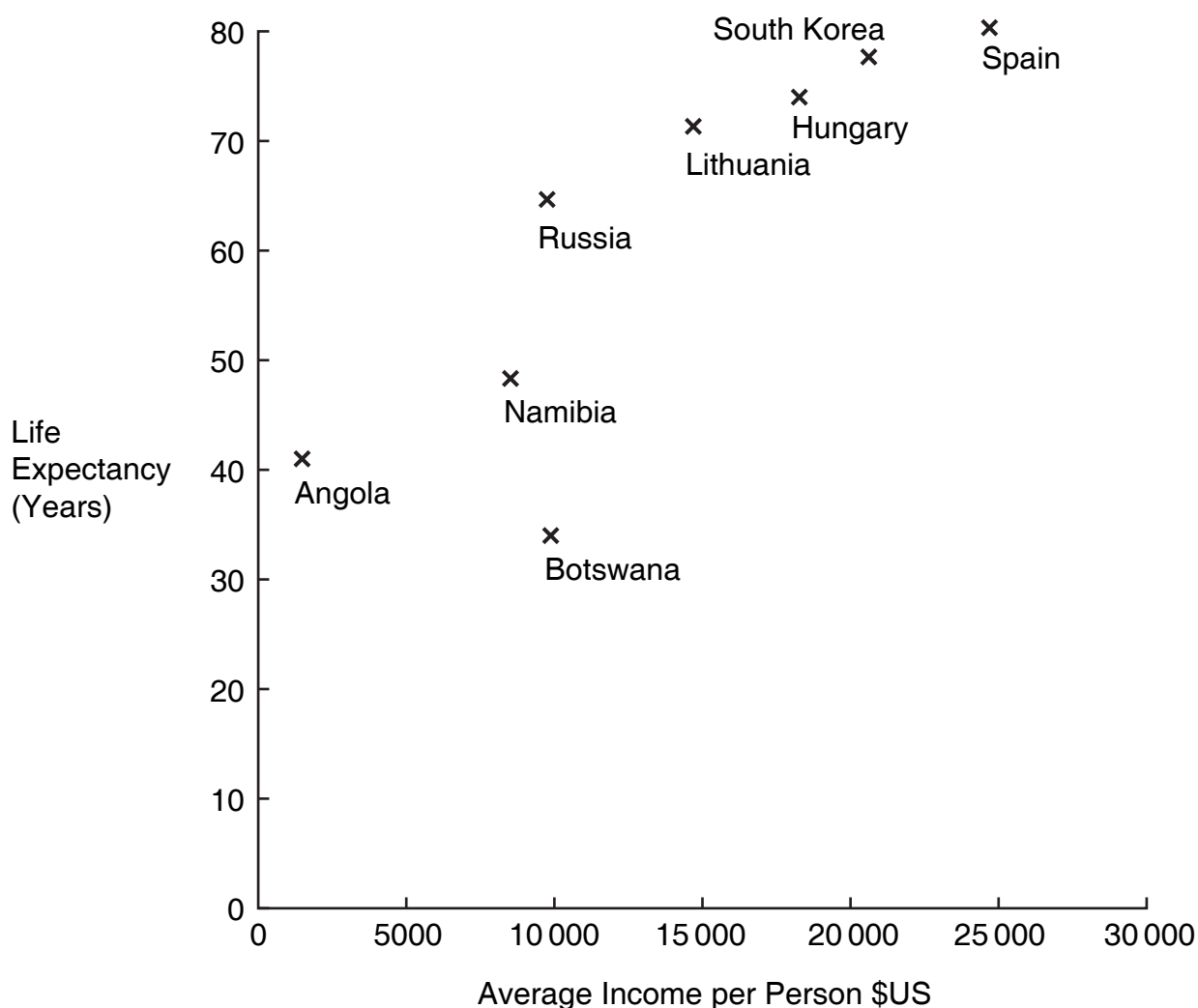
Give reasons for your answer.

3

(15)

Question 6: Development and Health

Reference Diagram Q6A: Levels of Wealth and Life Expectancy



(a) Study Reference Diagram Q6A.

(i) Describe **in detail** the relationship between average income and life expectancy. **3**

(ii) Why are combined indicators such as the Human Development Index (HDI) more reliable methods of measuring a country's overall level of development? **4**

(b) (i) For heart disease **or** malaria, what are the consequences of the disease for the population in an affected area? **4**

(ii) For the disease chosen in (b)(i), how successful are the methods used to control it?

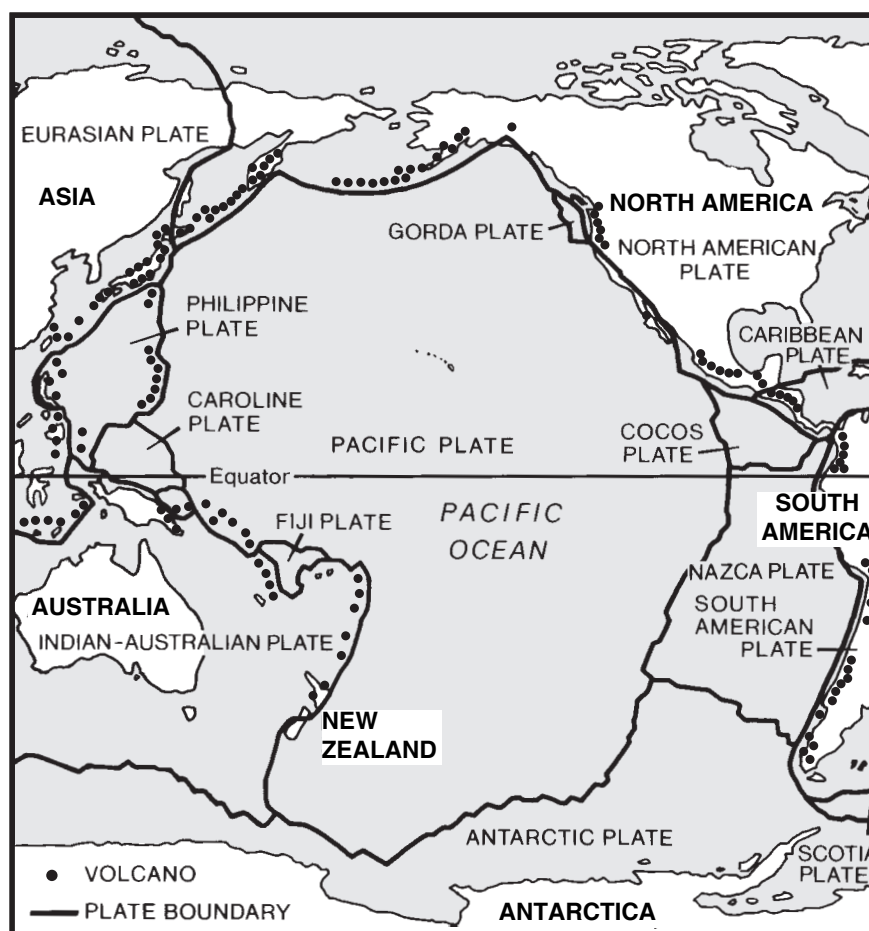
Explain your answer. **4**

(15)

[Turn over

Question 7: Environmental Hazards

Reference Diagram Q7A: Pacific Ring of Fire



(a) Study Reference Diagram Q7A.

Explain the distribution of tectonic activity in the area shown.

3

(b) Referring to an earthquake **or** volcanic eruption you have studied:

(i) describe methods of predicting the hazard;

3

(ii) **explain** the importance of both short term **and** long term aid in reducing the effects of the hazard.

4

(c) For a named tropical storm you have studied, describe **in detail** its impact on the landscape **and** population.

5

(15)

[END OF QUESTION PAPER]

ACKNOWLEDGEMENTS

Reference Diagram Q2E—Two photographs are reproduced by kind permission of Centro Comercial Nueva Condomina.