



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE
NAME

CENTRE
NUMBER

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GEOGRAPHY

0460/13

Paper 1

October/November 2011

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided.

Write in dark blue or black pen.

You may use a soft pencil for any diagrams, graphs or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO NOT WRITE ON ANY BARCODES.

Write your answer to each question in the space provided. If additional space is required, you should use the lined page at the end of this booklet. The question number(s) must be clearly shown.

Answer **three** questions.

The Insert contains Fig. 4 for Question 2, Photographs A, B, C and D for Question 3 and Photograph E for Question 6.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

The Insert is **not** required by the Examiner.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **23** printed pages, **1** lined page and **1** Insert.



QUESTION 1

(a) Study Fig. 1, which shows information about the population of Denmark (an MEDC) between 1970 and 2006.

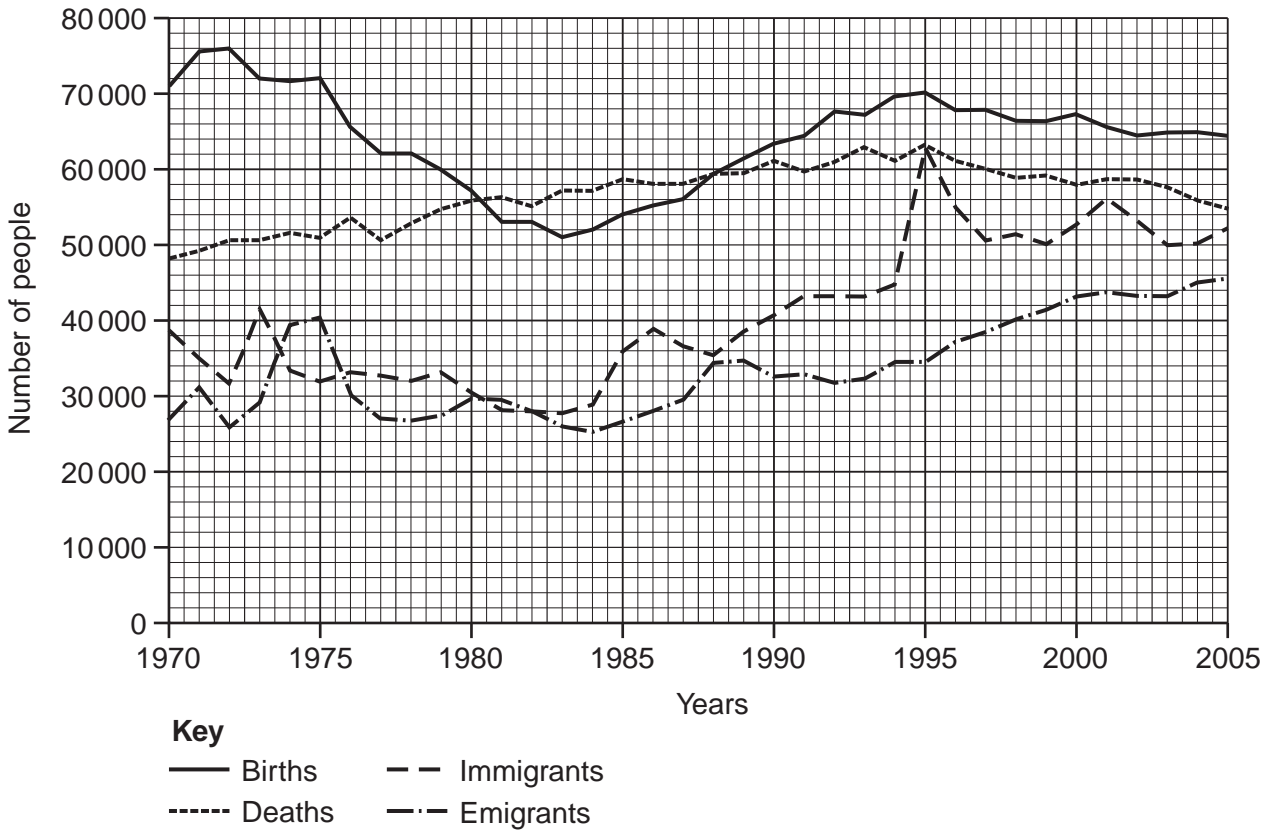


Fig. 1

(i) What was the number of births in Denmark in 1970?[1]

(ii) Use evidence from Fig. 1 to identify a year when:

A there were more births than deaths,

B there were more emigrants than immigrants.[2]

(iii) Calculate the total population change in Denmark in 2005.
 Show your calculations.

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.....[3]

QUESTION 2

(a) Study Fig. 3, which shows maps of four rural settlements.

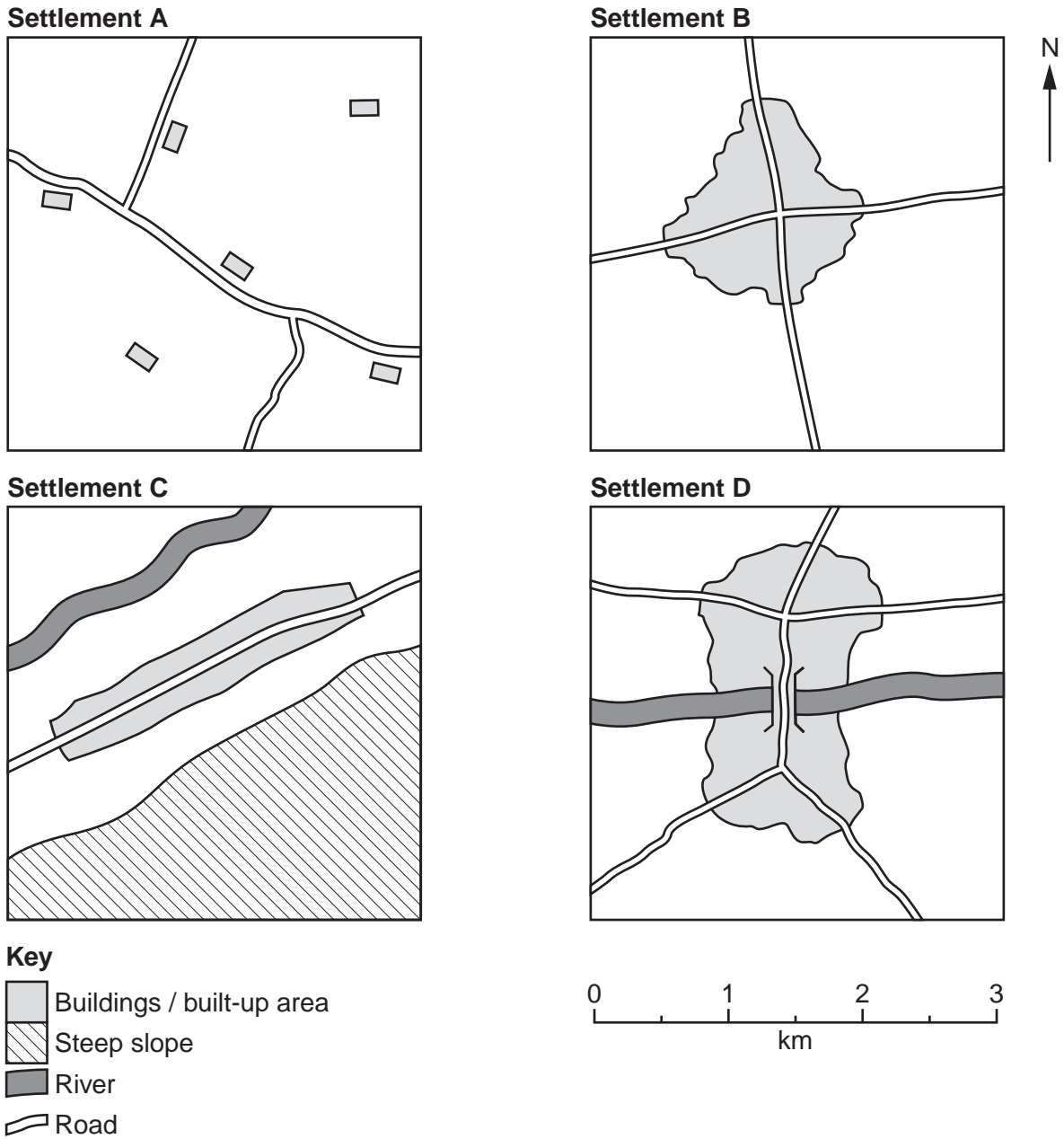


Fig. 3

(i) Settlement **A** is an area of dispersed rural settlement. What is meant by a *dispersed* settlement pattern?

.....

.....[1]

(ii) Describe the shapes of settlements **B** and **C**.

Settlement **B**

.....

Settlement **C**

.....[2]

(iii) Suggest reasons for the different shapes of settlements **B** and **C**.

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.....[3]

(iv) Suggest reasons why settlement **D** has developed into a large settlement.

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.....[4]

QUESTION 3

(a) Study Photographs A, B, C and D (Insert), which show different types of coastal landform.

(i) Which photograph is of a coastal landform formed by erosion?[1]

(ii) Match Photographs A, B, C and D to each of the following coastal landforms by completing Table 1 below.

Table 1

Landform	Photograph
beach	
headland	
marsh	
sand dunes	

[2]

(iii) Describe the conditions which are required for the development of coastal marsh.

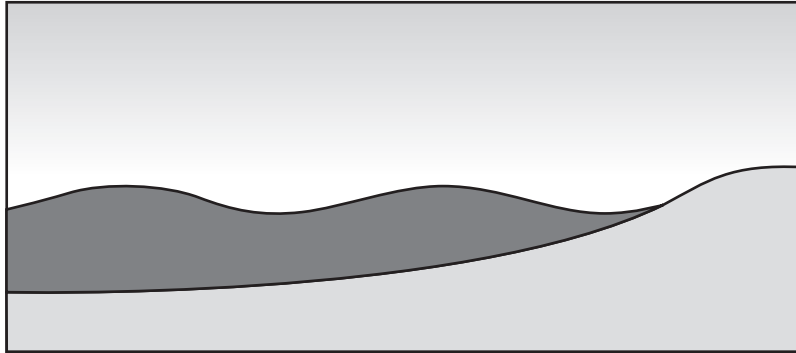
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.....[3]

(iv) Explain the formation of coastal sand dunes.

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.....[4]

(b) Study Fig. 5, showing constructive and destructive waves.

Constructive waves



Destructive waves

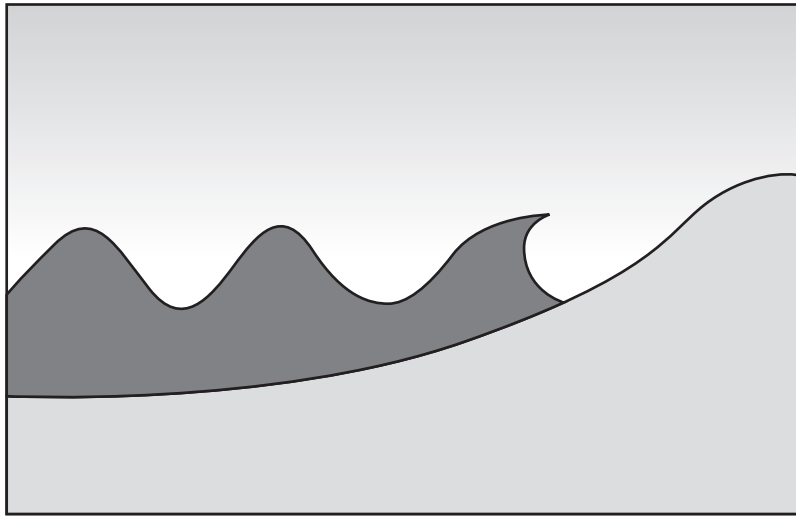


Fig. 5

(i) Describe **three** differences between constructive and destructive waves.

- 1
-
- 2
-
- 3
-[3]

QUESTION 4

(a) Study Fig. 6, which shows annual average precipitation in west Africa.

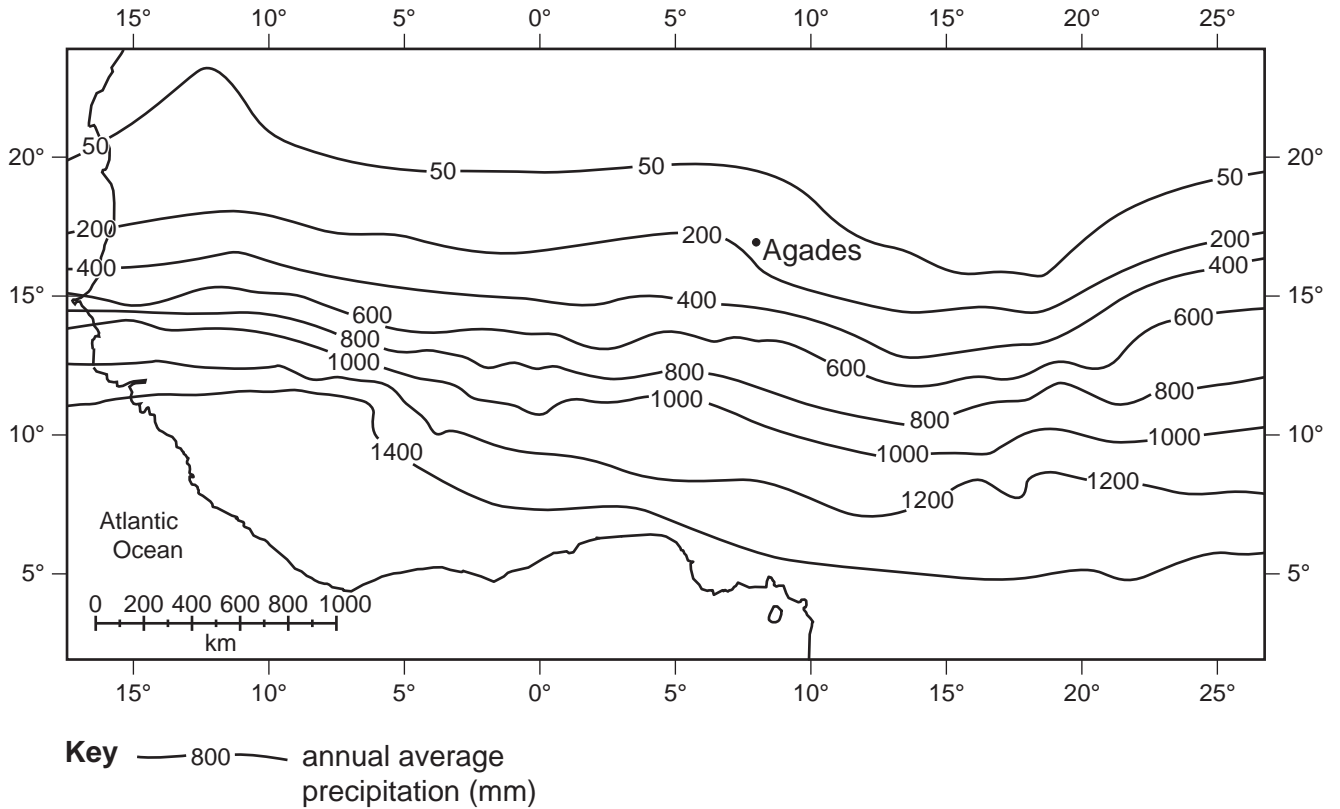


Fig. 6

(i) Estimate the annual average precipitation at Agades.

..... mm [1]

(ii) Suggest why daytime temperatures are high at Agades.

.....

 [2]

(iii) Explain why rainfall is low in areas such as Agades.

.....

 [3]

(b) Study Fig. 7, which shows information about rainfall in Agades. Agades is in Niger (an LEDC).

Month	Rainfall (mm)				
	Year 1	Year 2	Year 3	Year 4	Year 5
January	–	–	–	–	–
February	–	–	–	–	–
March	–	2	–	–	–
April	–	–	50	–	–
May	22	–	1	18	–
June	7	2	20	1	–
July	11	58	61	9	22
August	36	67	26	51	14
September	21	26	8	3	4
October	–	–	–	–	–
November	–	–	–	–	–
December	–	–	–	–	–
Total	97	155	166	82	40

Fig. 7

(i) Describe **three** features of the rainfall distribution over the five years shown by Fig. 7.

- 1
-
- 2
-
- 3
-[3]

(ii) Suggest how the rainfall distribution shown in Fig. 7 may affect the lives of people living in and around Agades.

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-[4]

QUESTION 5

(a) Study Fig. 8, which shows information about food production in selected countries.

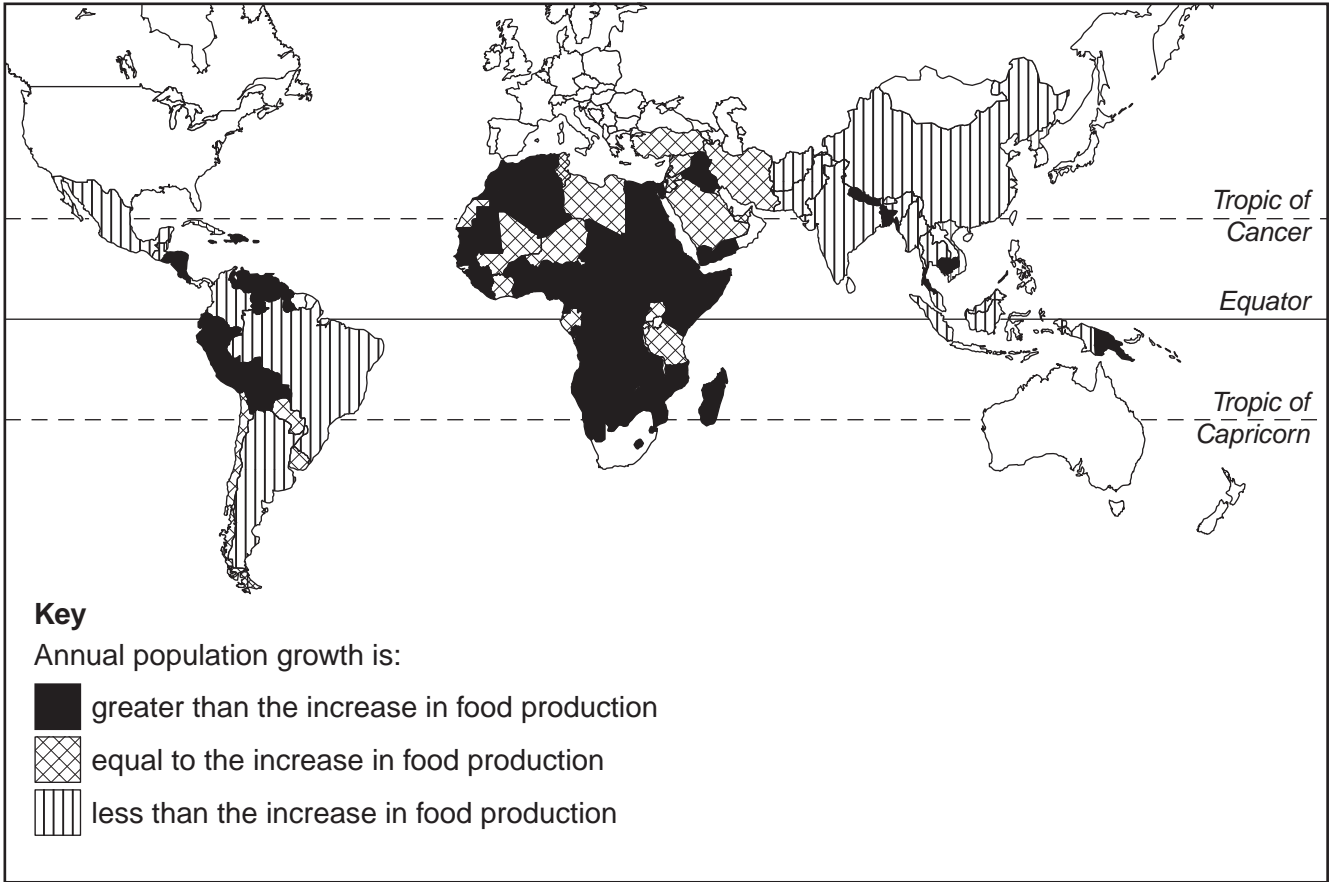


Fig. 8

(i) Name **one** country where population growth is greater than the increase in food production.

.....[1]

(ii) Give **two** natural factors which cause food shortages.

1

2[2]

(iii) How can economic and political factors cause food shortages?

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.....[3]

(iv) Describe the effects of food shortages in LEDCs.

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.....[4]

QUESTION 6

- (a) Study Fig. 10 which shows information about the use of fuelwood in six countries in Asia. Photograph E (Insert) shows fuelwood being collected.

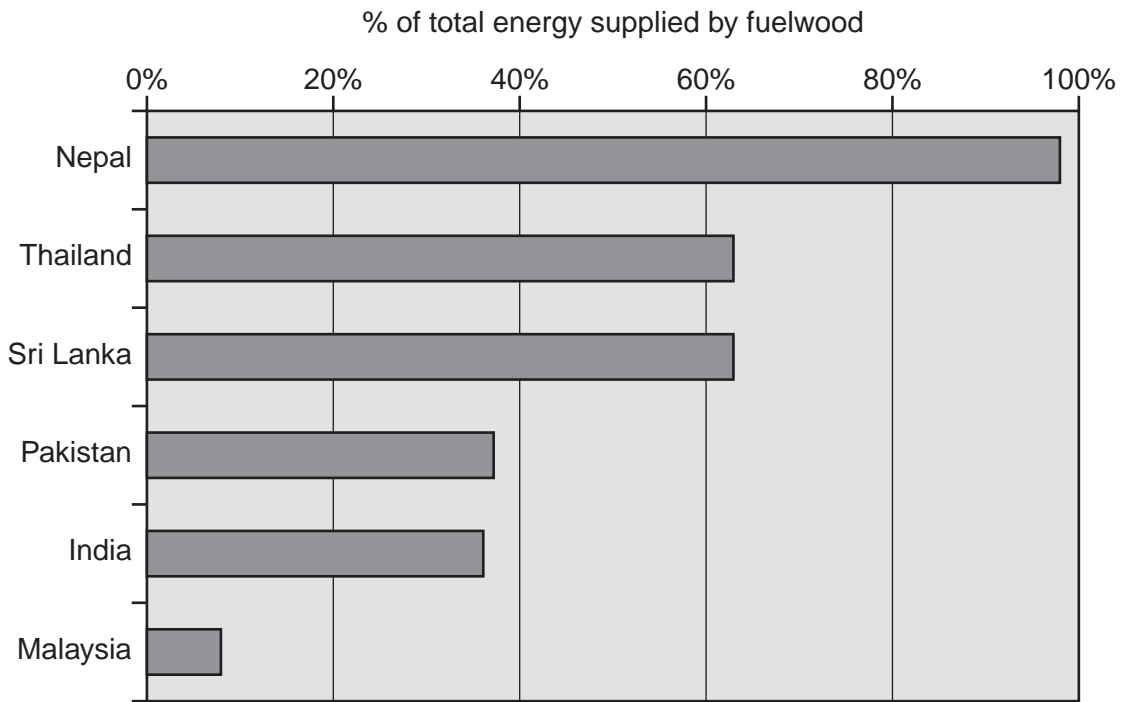


Fig. 10

- (i) Which country shown on Fig. 10 uses the largest percentage of fuelwood to supply energy?

.....[1]

- (ii) Give **two** different uses of fuelwood in LEDCs.

1

2[2]

(iii) Describe the problems of using large amounts of fuelwood for:

A people who live in LEDCs,

.....
.....
.....
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.....[3]

B the local natural environment.

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.....[4]

(b) Study Fig. 11, which shows information about global warming.

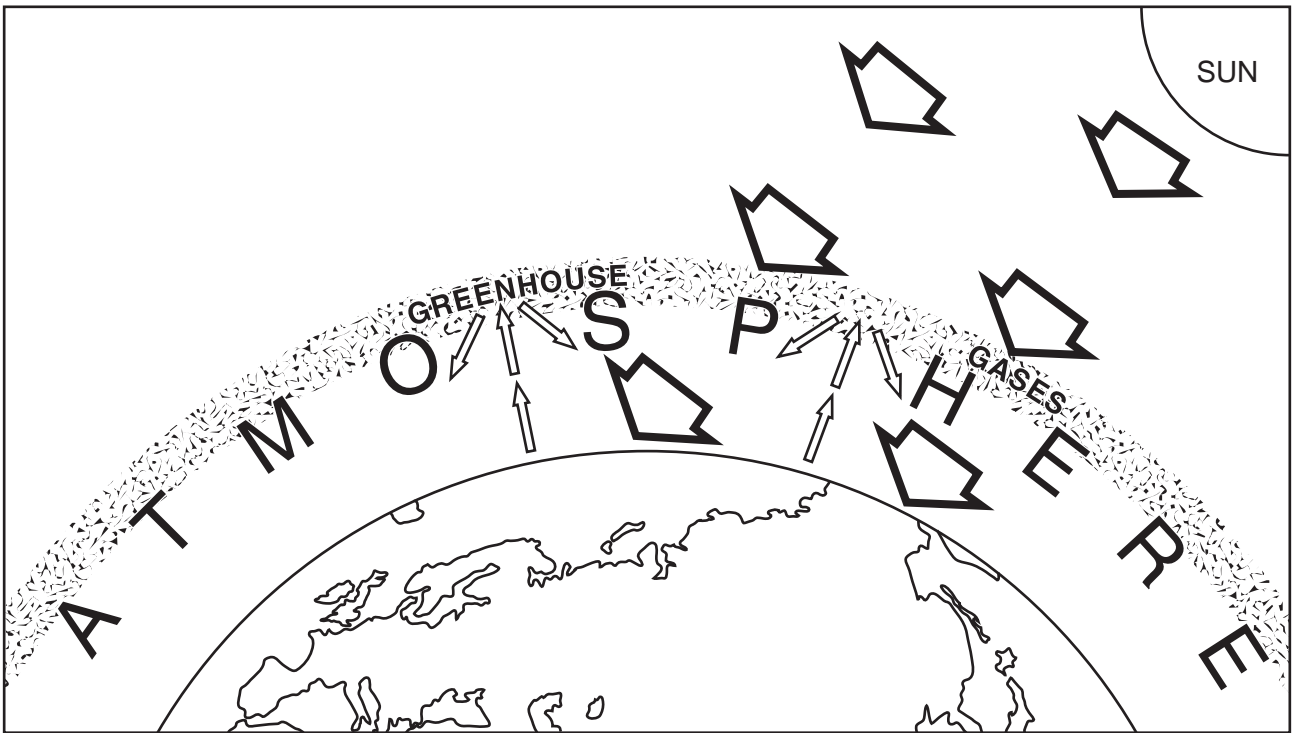


Fig. 11

(i) Using only information from Fig. 11, explain how the build up of greenhouse gases in the atmosphere is increasing global warming.

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.....[3]

