



Please write clearly in block capitals.

Centre number

Candidate number

Surname

Forename(s)

Candidate signature

I declare this is my own work.

GCSE GEOGRAPHY

Paper 2 Challenges in the human environment

Friday 6 June 2025

Afternoon

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- the OS map key insert (enclosed)
- a pencil
- a rubber
- a ruler.

You may use a calculator.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.

**Answer all questions in Section A and Section B.
Answer Question 3 and one other question in Section C.**

- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need additional extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The total number of marks available for this paper is 88.
- Spelling, punctuation, grammar and specialist terminology will be assessed in Question **01.11**.
- HIC is a higher income country.
- LIC is a lower income country.
- NEE is a newly emerging economy.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
6	
TOTAL	



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For the multiple-choice questions, shade the circle next to the correct answer.

CORRECT METHOD

WRONG METHODS

If you want to change your answer you must cross out your original answer as shown.

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.

Section A Urban issues and challenges

Answer **all** questions in this section.

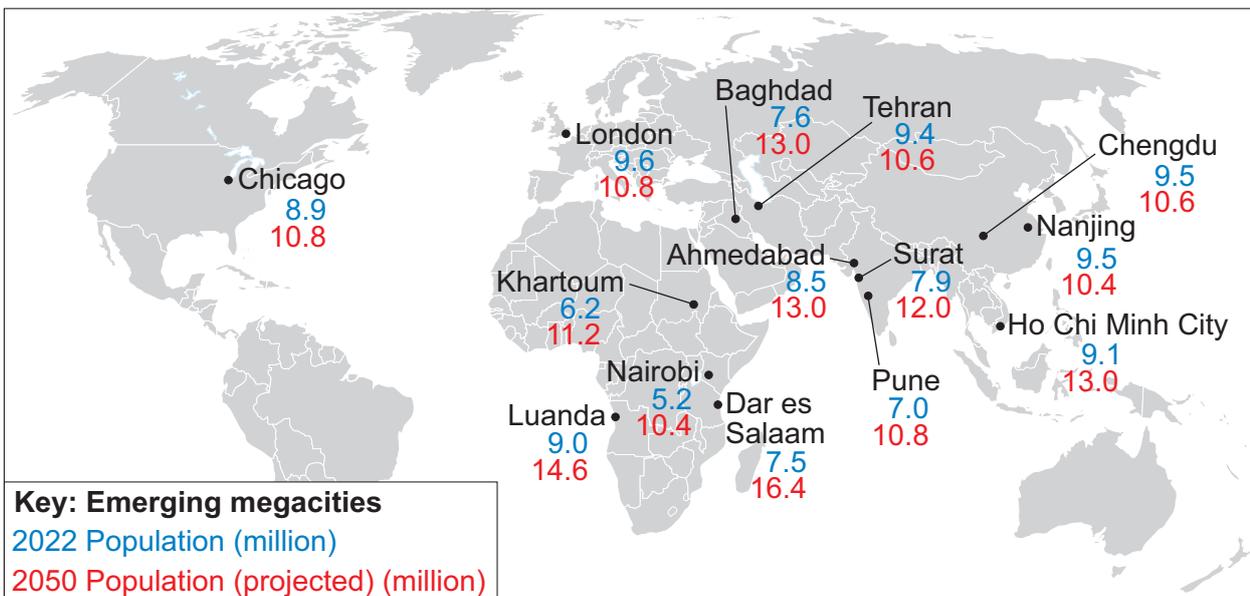
Question 1 Urban issues and challenges

0 1 . 1 What is urbanisation?

[1 mark]

Study **Figure 1**, a world map showing cities expected to become megacities by 2050.

Figure 1



0 1 . 2 Which continent is expected to have the most new megacities in 2050?

Shade **one** circle only.

[1 mark]

- A** Africa
- B** Asia
- C** Europe
- D** North America

0 1 . 3 What is the expected percentage growth of Nairobi 2022–2050?

Shade **one** circle only.

[1 mark]

- A** 50%
- B** 100%
- C** 150%
- D** 200%

Question 1 continues on the next page

Turn over ►



Study **Figure 2**, some data about three of the cities shown in **Figure 1**.

Figure 2

City	Median age	Additional population per week
Baghdad, Iraq	21	3850
Ho Chi Minh City, Vietnam	30	3270
Khartoum, Sudan	20	2885

0 1 . 4 Suggest how natural increase and migration affect the growth of LIC/NEE cities.

Use **Figure 2** and your own understanding.

[4 marks]

Extra space _____



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ANSWER IN THE SPACES PROVIDED**

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0 5

Figure 3

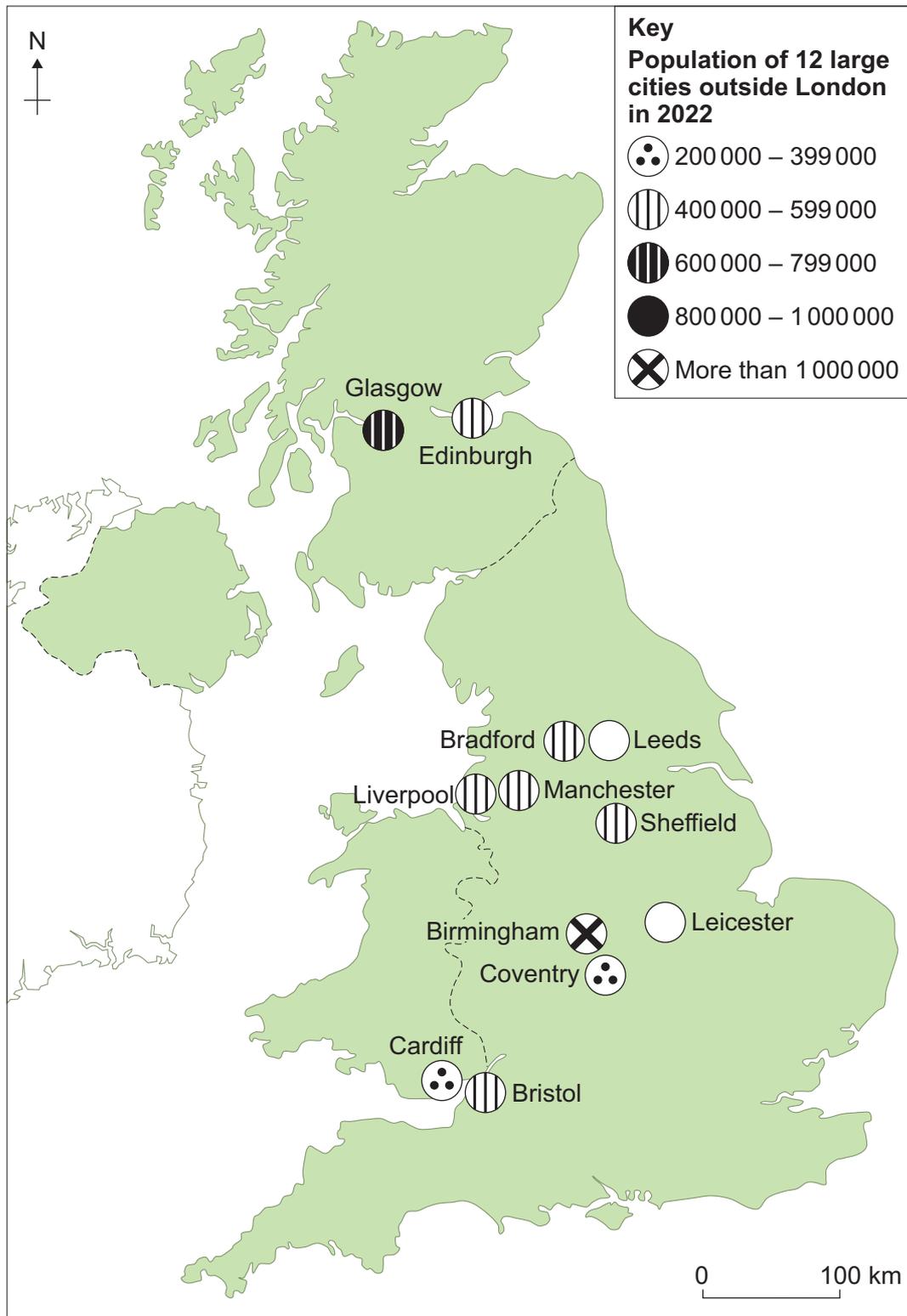


Figure 3 (opposite) is a map of the UK showing the population of 12 large cities outside London in 2022.

0 1 . 5 Complete **Figure 3** using the following data.

[2 marks]

City	Population
Leeds	812 000
Leicester	369 000

0 1 . 6 Describe the importance of a named UK city for the rest of the UK.

[2 marks]

Name of city _____

Importance _____

0 1 . 7 Outline **one** impact of national migration on a named UK city.

[2 marks]

Name of city _____

Impact _____

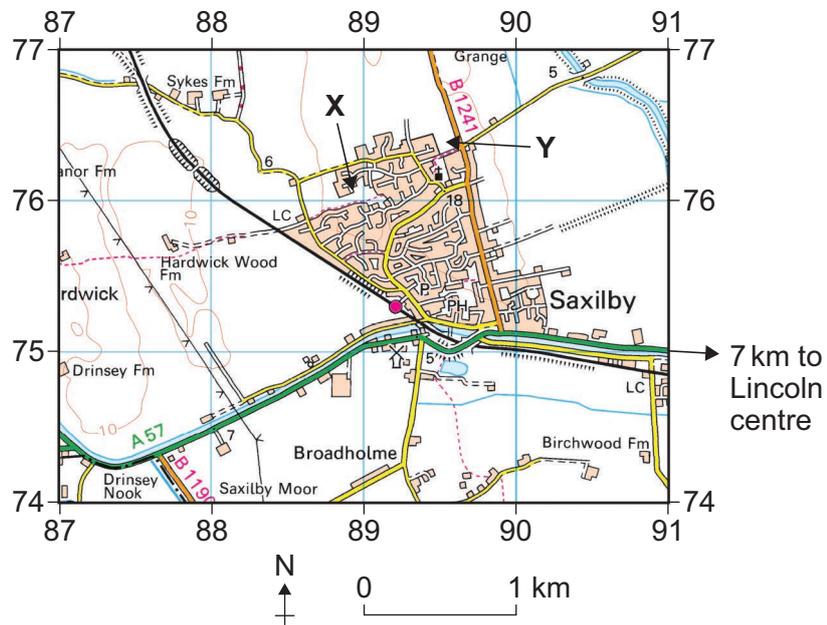
Question 1 continues on the next page

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Study **Figure 4**, a 1:50 000 Ordnance Survey map of Saxilby, a village near Lincoln, a city in the UK.

Figure 4



0 1 . 8 What is the approximate area of the village of Saxilby?

[1 mark]

_____ km²

0 1 . 9 What is the straight line distance from the railway station to the level crossing at 884758?

[1 mark]



Extra space _____

Study **Figure 6**, a photograph of part of Dar es Salaam, Tanzania, a NEE in east Africa.

Figure 6



0 1 . 1 1

Discuss how urban growth in LIC/NEE cities has created social and economic opportunities.

Use **Figure 6** and a case study.

[9 marks]
[+ 3 SPaG marks]



Section B The changing economic world

Answer **all** questions in this section.

Question 2 The changing economic world

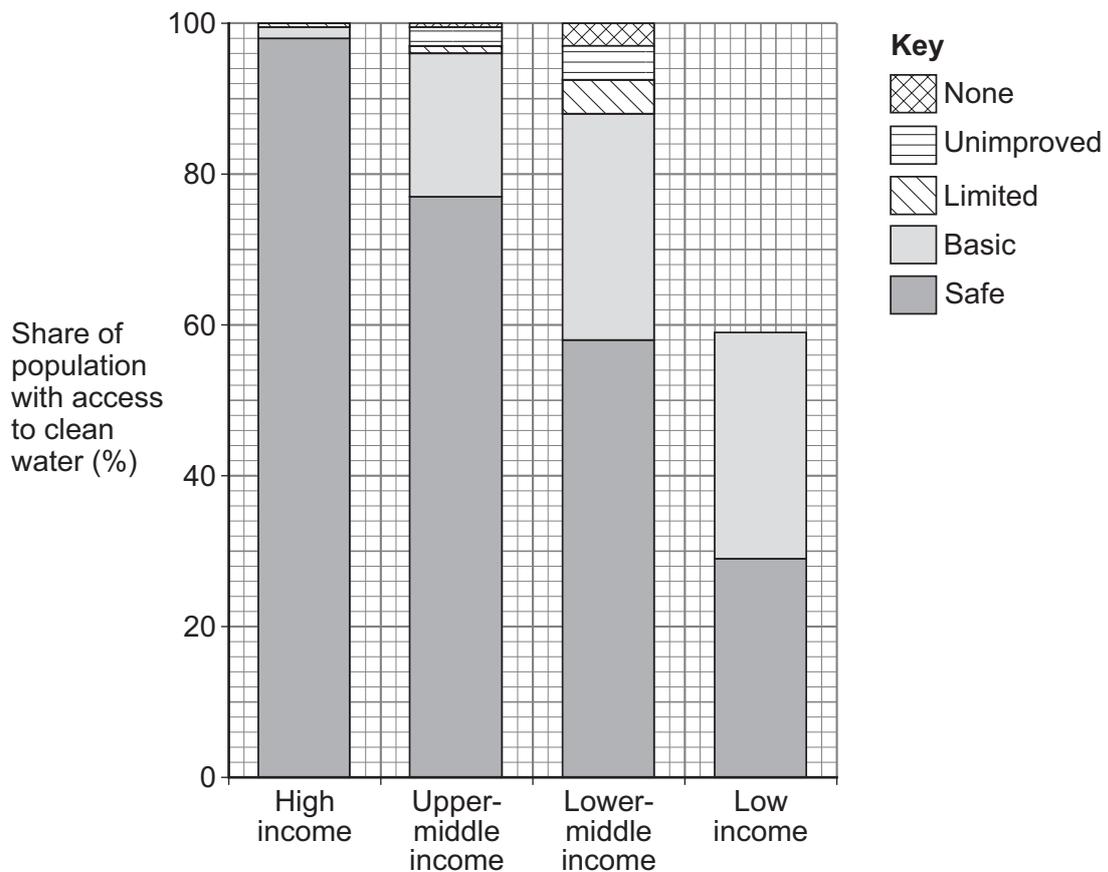
Figure 7 is a graph showing access to clean water in different income groups of countries in 2020.

0 2 . 1 Complete **Figure 7** below using the following data for low income countries.

[2 marks]

Share of the population with access to clean water		
Limited	Unimproved	None
17%	18%	6%

Figure 7



0 2 . 2 What is the difference in access to **safe** water supply between high income and lower-middle income countries?

[1 mark]

_____ %

0 2 . 3 Outline the limitation(s) of **one** social measure of development such as access to clean water.

[2 marks]

0 2 . 4 Explain **one or more** causes of uneven development.

[4 marks]

Extra space _____

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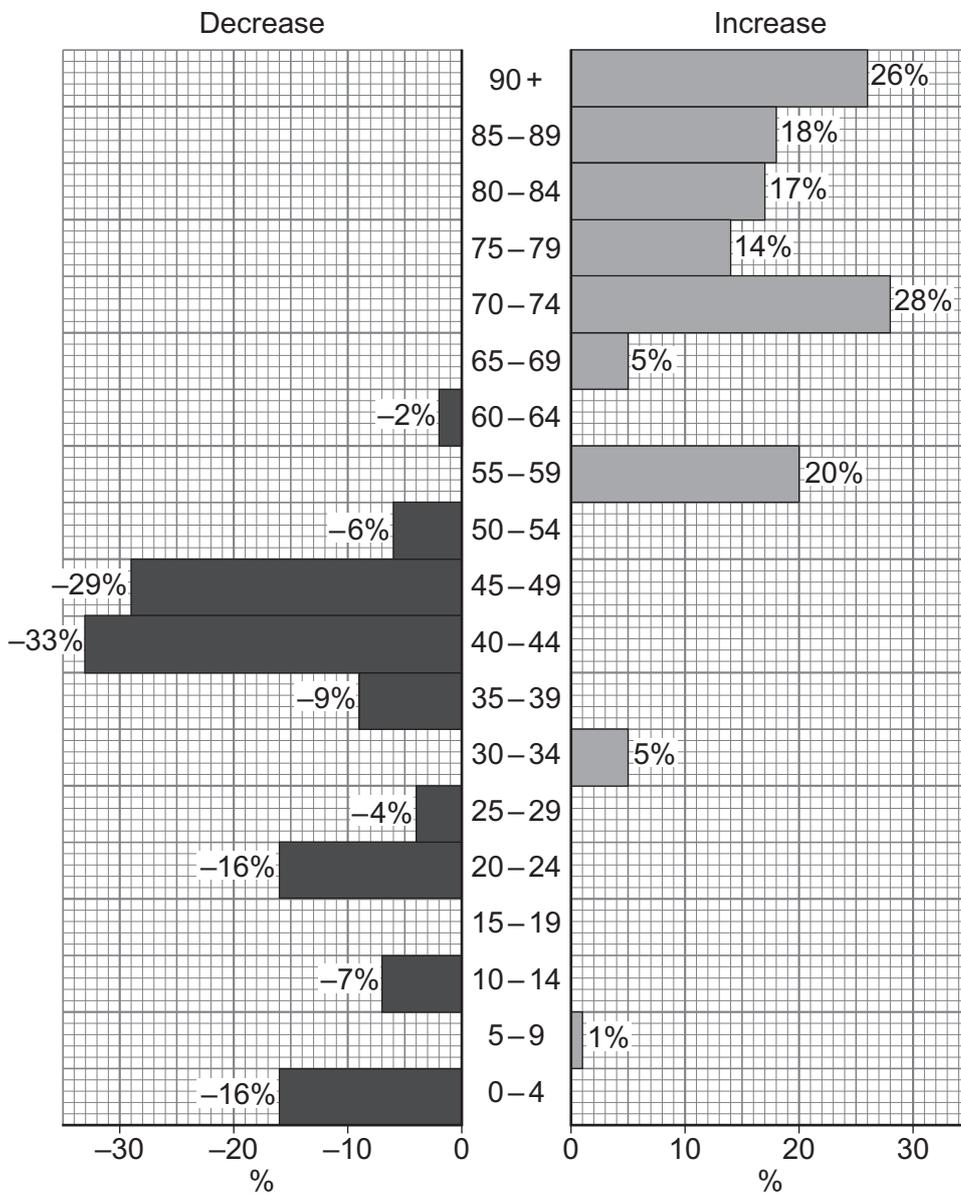
Figure 8 is a graph showing percentage population change by age group in a rural area of the UK from 2011 to 2021.

0 2 . 5 Complete **Figure 8** using the following data.

[1 mark]

Age group	Percentage change
15–19	–24%

Figure 8



- 0 2 . 6** What is the range between the largest percentage increase and largest percentage decrease in population shown on **Figure 8**?

[1 mark]

_____ %

- 0 2 . 7** Calculate the mean population change in the 65+ age groups shown on **Figure 8**.

Give your answer to the nearest whole number.

[1 mark]

_____ %

Question 2 continues on the next page

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Study **Figure 10**, an article about development in Peru, a NEE in South America.

Figure 10

The president of Peru said the government is always working to improve citizens' quality of life.

He said that money would always be spent on projects that benefit those most in need. It is particularly important to improve sanitation in the country if they are to progress.

The president also stated that much work had already been done in the poorest regions and he guaranteed money for new projects to expand the availability of clean water. (April 2019)



0 2 . 9 Use **Figure 10** to suggest how economic development affects peoples' quality of life.

[3 marks]



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End of Section B



Turn over for Section C

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Section C The challenge of resource management

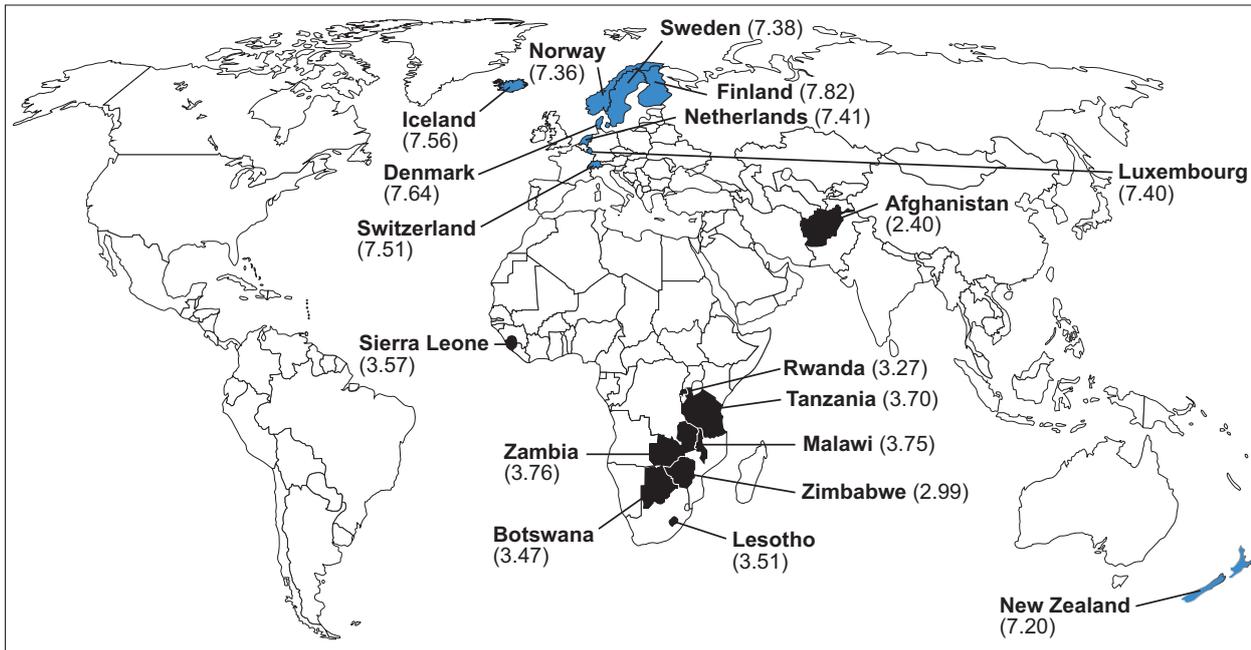
Answer **Question 3** and

either Question 4 (Food) **or** Question 5 (Water) **or** Question 6 (Energy).

Question 3 The challenge of resource management

Study **Figure 11**, a world map showing 9 of the 10 countries that scored highest and 9 of the 10 countries that scored lowest for well-being in 2022.

Figure 11



Key

■ Nine high scoring countries ■ Nine low scoring countries

Note: the well-being score includes both social and economic measures

0 3 . 1 Calculate the median well-being score for the nine lowest scoring countries shown.

Answer to **two** decimal places.

[2 marks]

Show your working

Median well-being score _____



0 3 . 2 Suggest **one** reason for higher well-being scores in a country.

[1 mark]

0 3 . 3 Explain how changing demand for food has affected organic farming in the UK.

[2 marks]

Question 3 continues on the next page

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2 5

Answer **either** Question 4 (Food) **or** Question 5 (Water) **or** Question 6 (Energy).

Question 4 Food

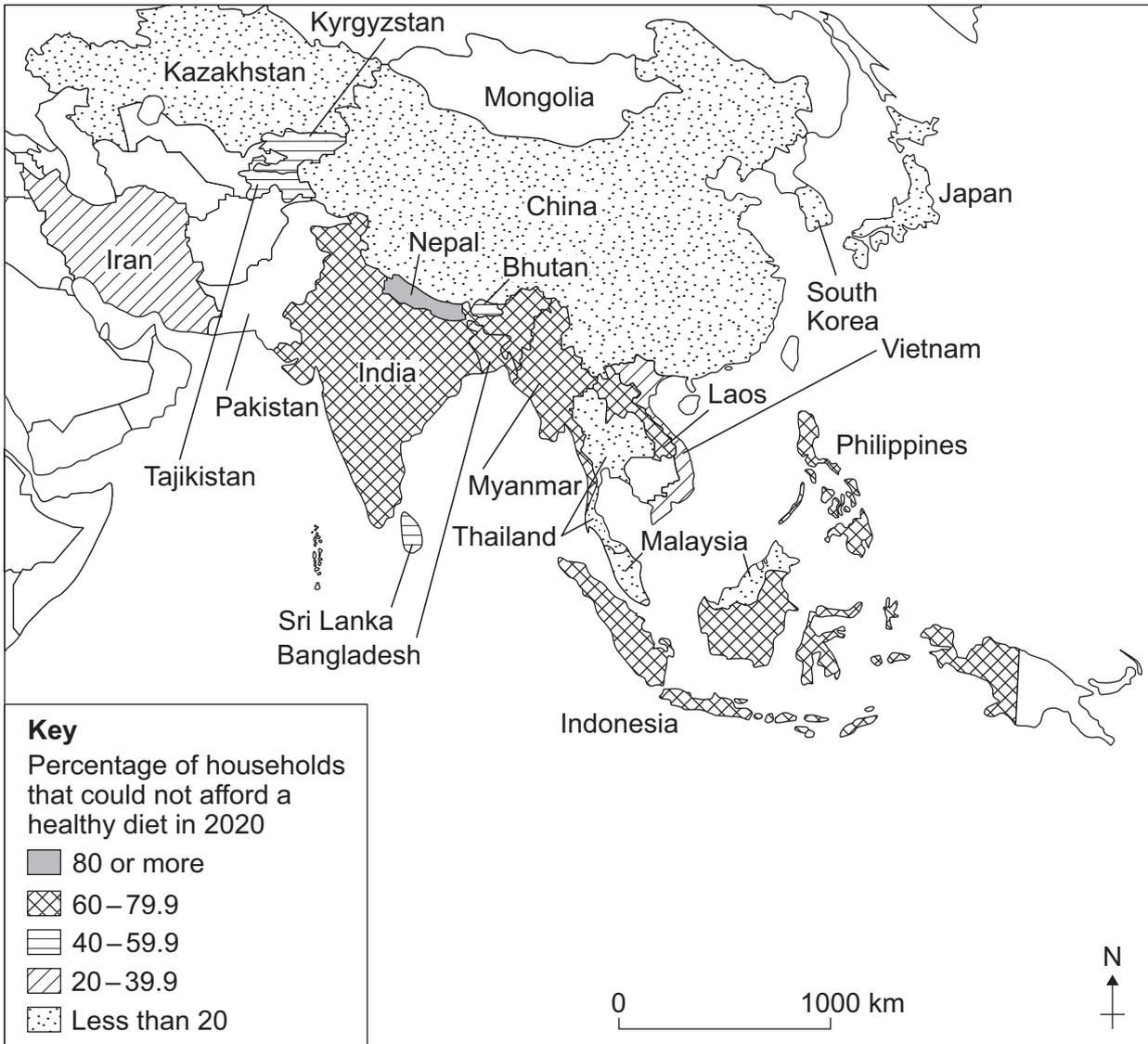
Figure 13 is a map showing the percentage of households that could not afford a healthy diet in 2020 in selected Asian countries.

0 4 . 1 Complete **Figure 13** using the following data.

[2 marks]

Country	Percentage of households that could not afford a healthy diet
Pakistan	80 or more
Mongolia	40–59.9

Figure 13



0 4 . 2 Name **one** country where 60–79.9% of households could not afford a healthy diet in 2020.

[1 mark]

0 4 . 3 How many of the countries shown in **Figure 13** had less than 20% of households that could not afford a healthy diet?

Shade **one** circle only.

[1 mark]

A 6

B 7

C 8

D 9

What percentage of the 21 countries for which data is shown had less than 20% of households that could not afford a healthy diet?

Answer to **one** decimal place.

[1 mark]

_____ %

0 4 . 4 Outline **one or more** ways that physical factors can affect food supply.

[3 marks]

Question 4 continues on the next page

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Question 5 Water

Figure 14 is a map showing the water stress in selected European countries in 2019.

0 5 . 1 Complete **Figure 14** using the following data.

[2 marks]

Country	Water stress
Portugal	High
Ireland	Low

Figure 14



0 5 . 2 Name **one** country which had medium-high water stress.

[1 mark]

0 5 . 3 How many of the countries shown in **Figure 14** had low-medium water stress?

Shade **one** circle only.

[1 mark]

A 6

B 7

C 8

D 9

What percentage of the 32 countries for which data is shown had low-medium water stress?

Answer to **one** decimal place.

[1 mark]

_____ %

0 5 . 4 Outline **one or more** ways that physical factors can affect water availability.

[3 marks]

Question 5 continues on the next page

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Question 6 Energy

Figure 15 is a map showing the percentage of households that could not afford to heat their home in selected European countries in 2021.

0 6 . 1 Complete **Figure 15** using the following data.

[2 marks]

Country	Percentage of households that could not afford to heat their home
Bulgaria	20 or more
Poland	2–4.9

Figure 15



0 6 . **2** Name **one** country where 5–9.9% of households could not afford to heat their home in 2021.

[1 mark]

0 6 . **3** How many of the countries shown in **Figure 15** had 10–19.9% of households that could not afford to heat their homes in 2021?

Shade **one** circle only.

[1 mark]

A 5

B 6

C 7

D 8

What percentage of the 28 countries for which data is shown had 10–19.9% of households that could not afford to heat their homes?

Answer to **one** decimal place.

[1 mark]

_____ %

0 6 . **4** Outline **one or more** ways that physical factors can affect energy supply.

[3 marks]

Question 6 continues on the next page

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