

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

INTERNATIONAL GCSE GEOGRAPHY

Paper 2 Challenges in the Human Environment

Tuesday 31 October 2023 07:00 GMT Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a ruler with millimetre measurements
- a calculator, which you are expected to use where appropriate.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions in **Sections A** and **B**.
- Answer **one** question from **Section C**, **either** Question 3 **or** Question 4.
- 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 extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- All working must be shown.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 80.
- The marks for questions are shown in brackets.
- You may use a bilingual dictionary for this exam.
- You may **not** use an English dictionary.
- 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	
TOTAL	



Section A – Urban issues and challenges

Answer **all** questions in the spaces provided.

You must answer **all** questions in this section.

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

CORRECT METHOD



WRONG METHODS



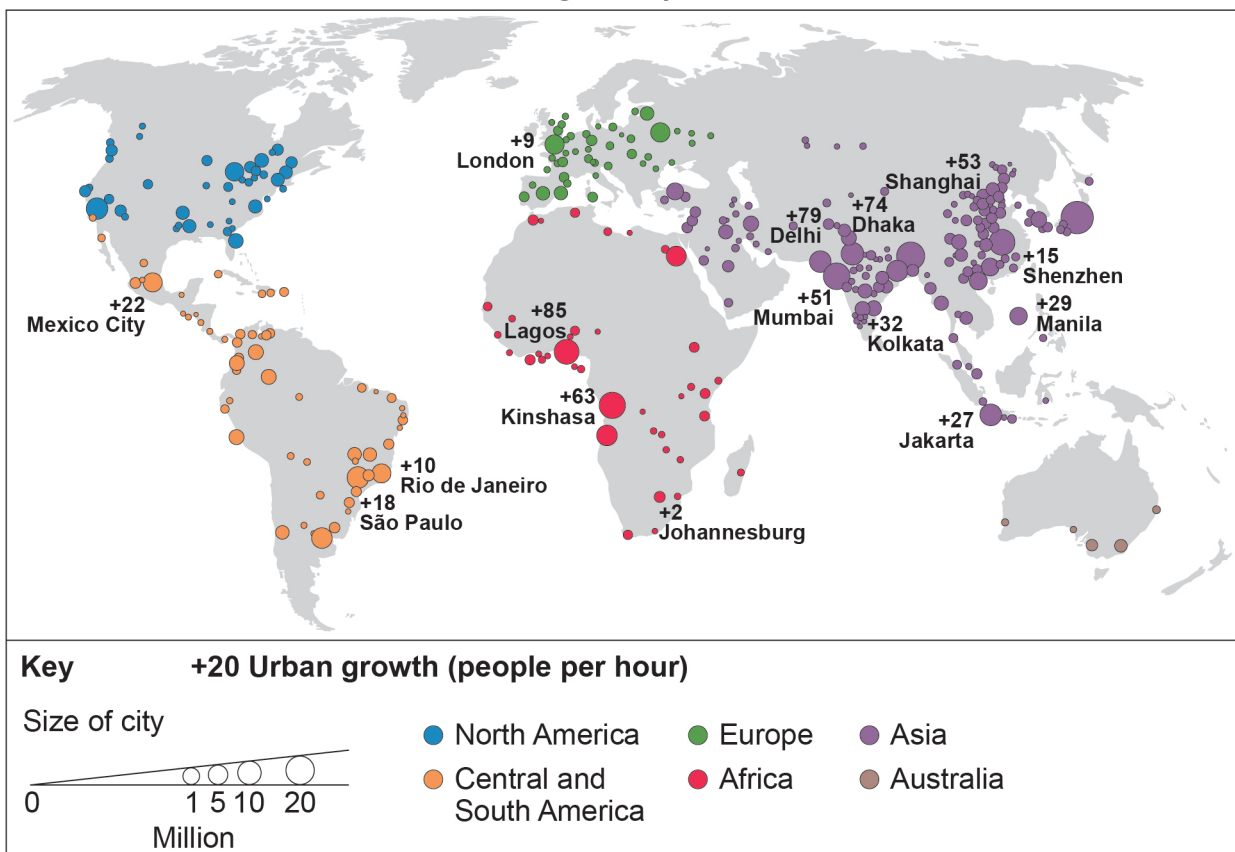
If you want to change your answer you must cross out your original answer as shown. 

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

Study **Figure 1**, a map showing urban growth (people per hour) for selected cities.

Figure 1

Urban growth per hour



0 1 . 1

Which named African city has the fastest urban growth?

[1 mark]

0 1 . 2

How many African cities shown in **Figure 1** have a population of over 5 million?

[1 mark]

0 1 . 3

Calculate the mean urban growth rate per hour for the named Asian cities shown in **Figure 1**.

[1 mark]

0 1 . 4

Explain why cities in many LICs/NEEs are growing rapidly.

[4 marks]

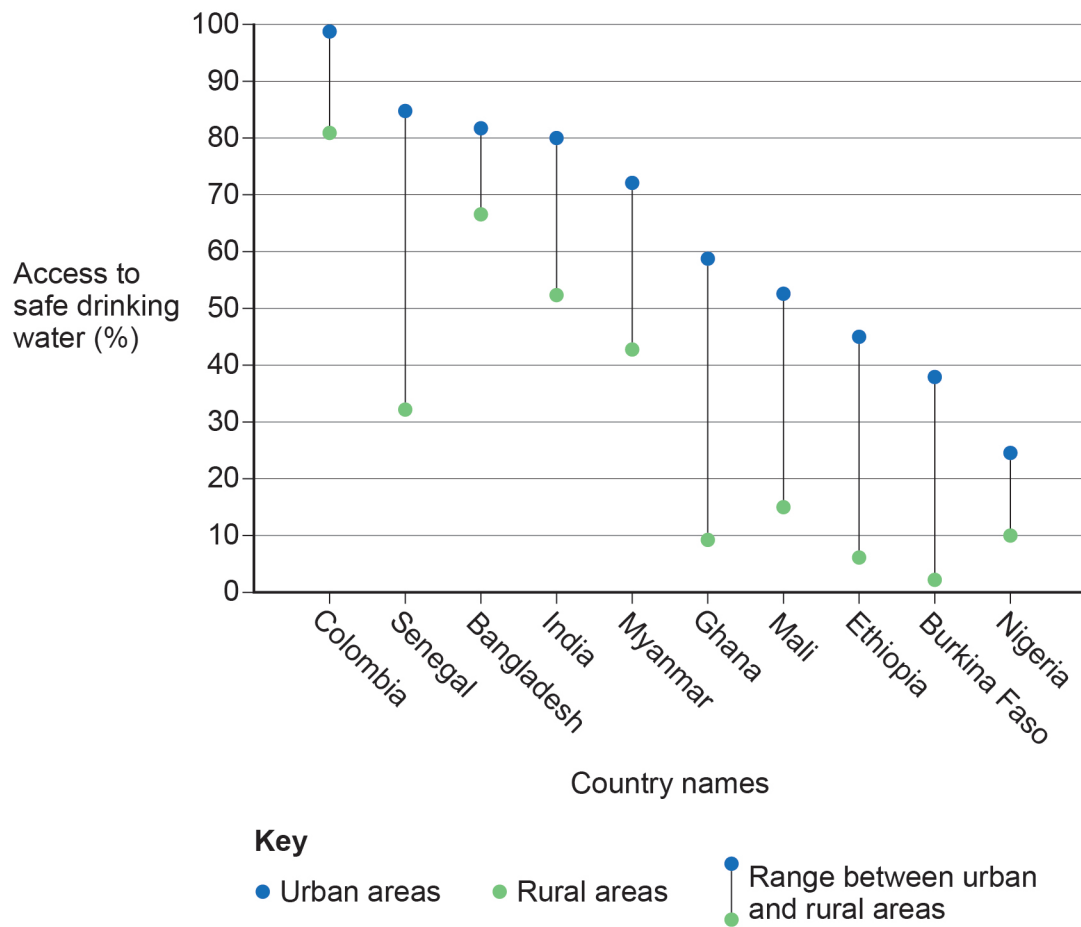
Question 1 continues on the next page

Turn over ►



Study **Figure 2**, a diagram showing urban and rural access to safe drinking water for selected countries (2016).

Figure 2



0 1 5

What percentage of the urban population had access to safe drinking water in India in 2016?

[1 mark]



[1 mark]

- [6 marks]**

[illegible]

Turn over ►



Suggest how an urban regeneration project you have studied in London **or** New York has improved economic and environmental conditions.

[illegible]

Question 1 continues on the next page

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ANSWER IN THE SPACES PROVIDED**

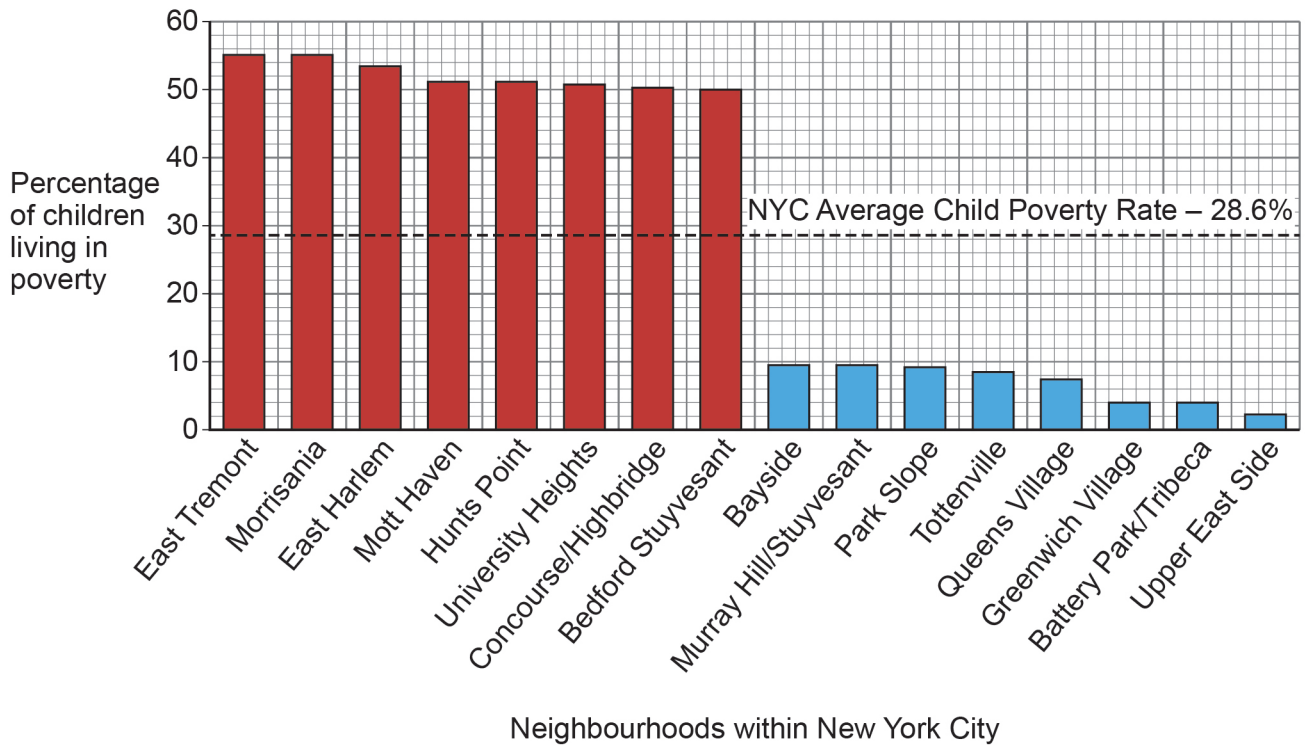
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Study **Figure 3**, information about child poverty in New York City (NYC).

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Figure 3



[9 marks]

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30

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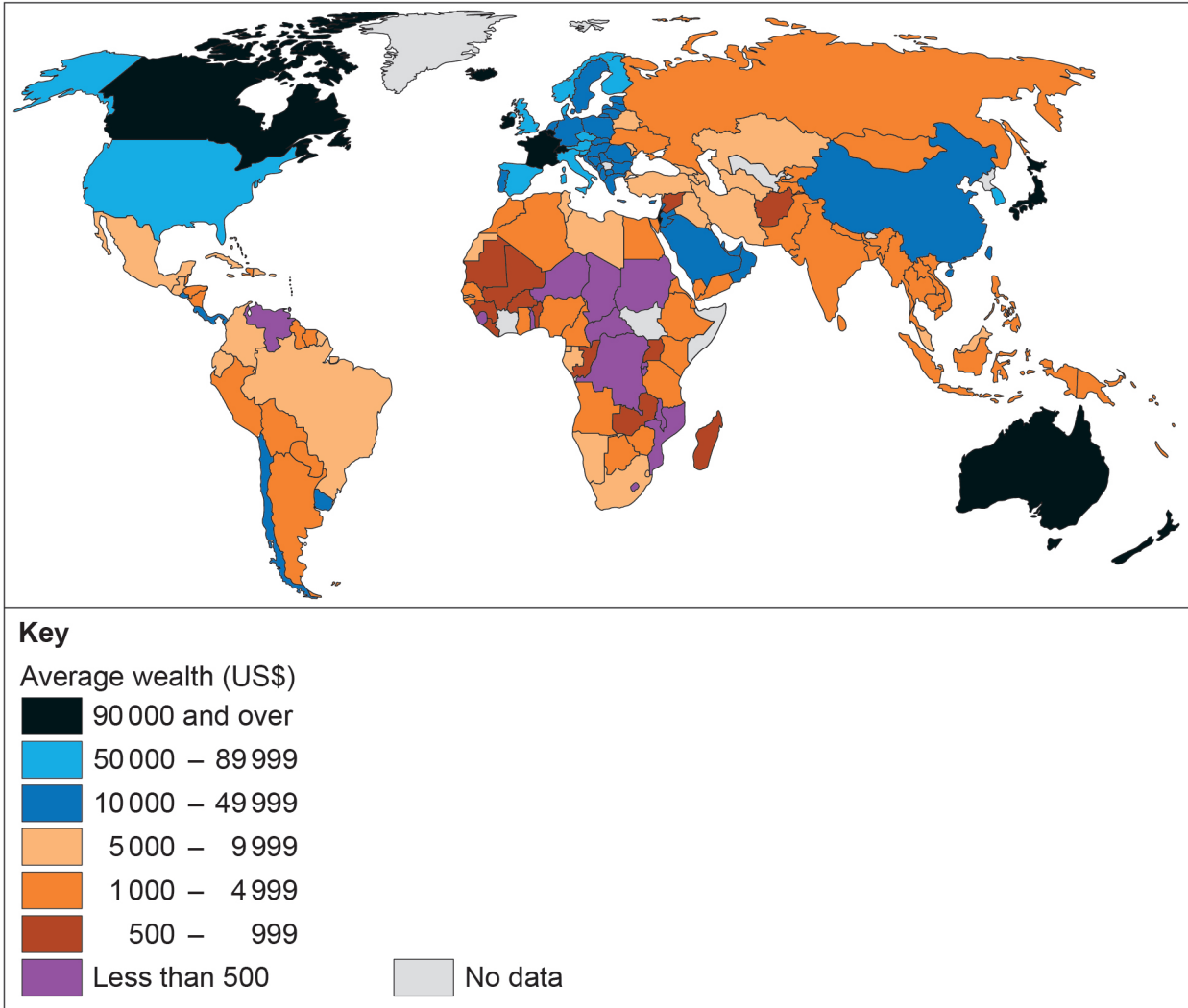
Section B – The changing economic world

Answer **all** questions in the spaces provided.

You must answer **all** questions in this section.

Study **Figure 4**, a map showing average global wealth (2019).

Figure 4



0 2 . 1 Which continent had the most countries with average wealth of less than 500 US\$?

Shade **one** circle only.

[1 mark]

A Africa

☐

B Asia

☐

C Europe

☐

D South America

☐

0 2 . 2 To what extent does **Figure 4** suggest that there are significant global differences in levels of economic development?

[4 marks]

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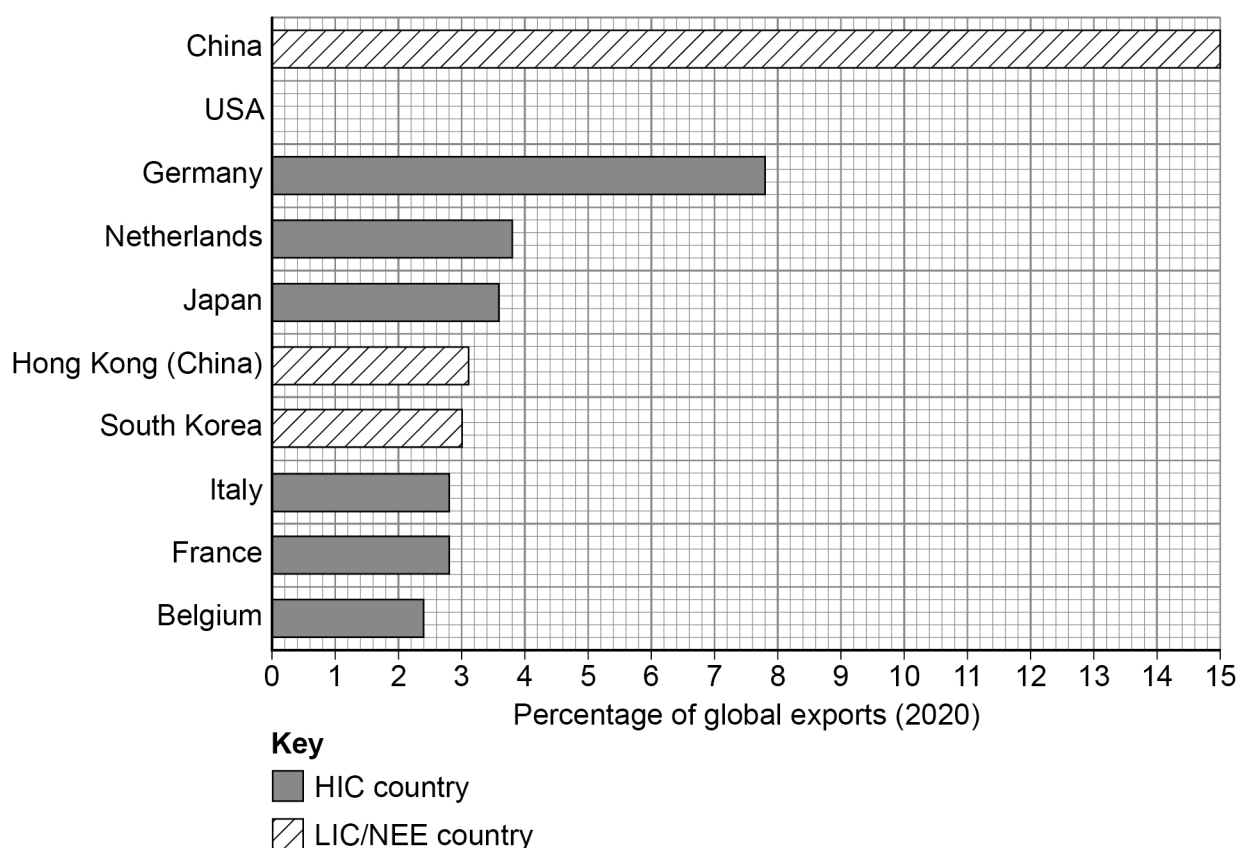
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Study **Figure 5**, a bar chart showing the top ten global exporters in 2020 (% share of global exports).

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Figure 5



0 2 . 3 Complete **Figure 5** by adding the information below.

USA share of global exports (2020) – 8%

[1 mark]

0 2 . 4 How much greater was the share of global exports in China compared to South Korea in 2020?

[1 mark]



0 2 . 5

Describe the changing trading relationship with the wider world of one LIC or NEE you have studied.

[4 marks]

Question 2 continues on the next page

Turn over ►

'Economic development always leads to improvements in the quality of life for people in LICs/NEEs.'

[9 marks]

[illegible]

20



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Section C – Global issues

Water and energy resources or Population and communication

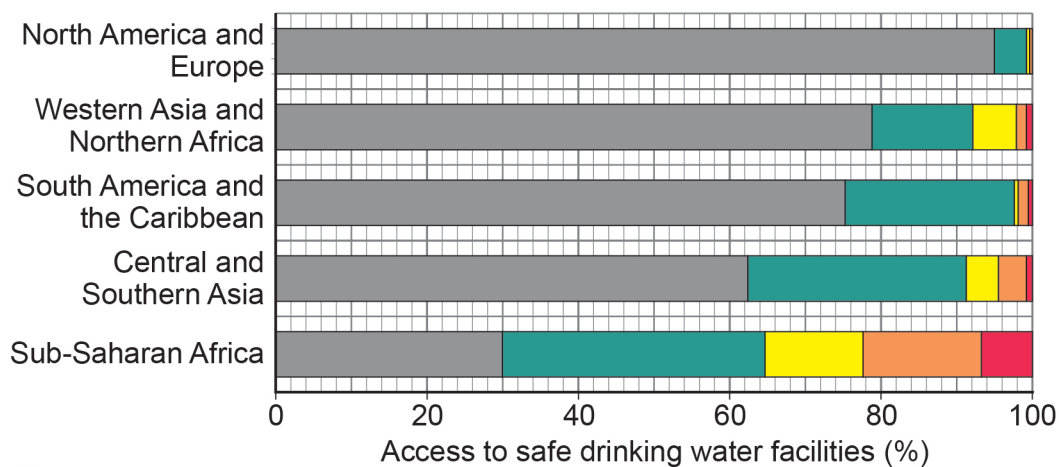
Answer **all** questions in the spaces provided.

You must answer **one** question from this section, **either** Question 3 **or** Question 4.

Question 3 – Water and energy resources

Study **Figure 6**, a graph showing access to safe drinking water facilities in different world regions (2020).

Figure 6



Key

- Safely managed facilities
- Basic facilities
- Limited facilities
- Unimproved facilities
- No access to managed water supply

0 3 . 1

Which regions in **Figure 6** had the highest level of access to safely managed drinking water facilities in 2020?

Shade **one** circle only.

[1 mark]

A Central and Southern Asia

☐

B North America and Europe

☐

C South America and the Caribbean

☐

D Western Asia and Northern Africa

☐


0 3 . 2

Calculate the percentage difference between the regions with the highest and lowest level of access to safely managed drinking water facilities shown in **Figure 6**.

[1 mark]

0 3 . 3

Explain how lack of access to safe water can affect local people and communities.

[4 marks]

0 3 . 4

Outline **two** factors affecting water availability.

[4 marks]

1

2

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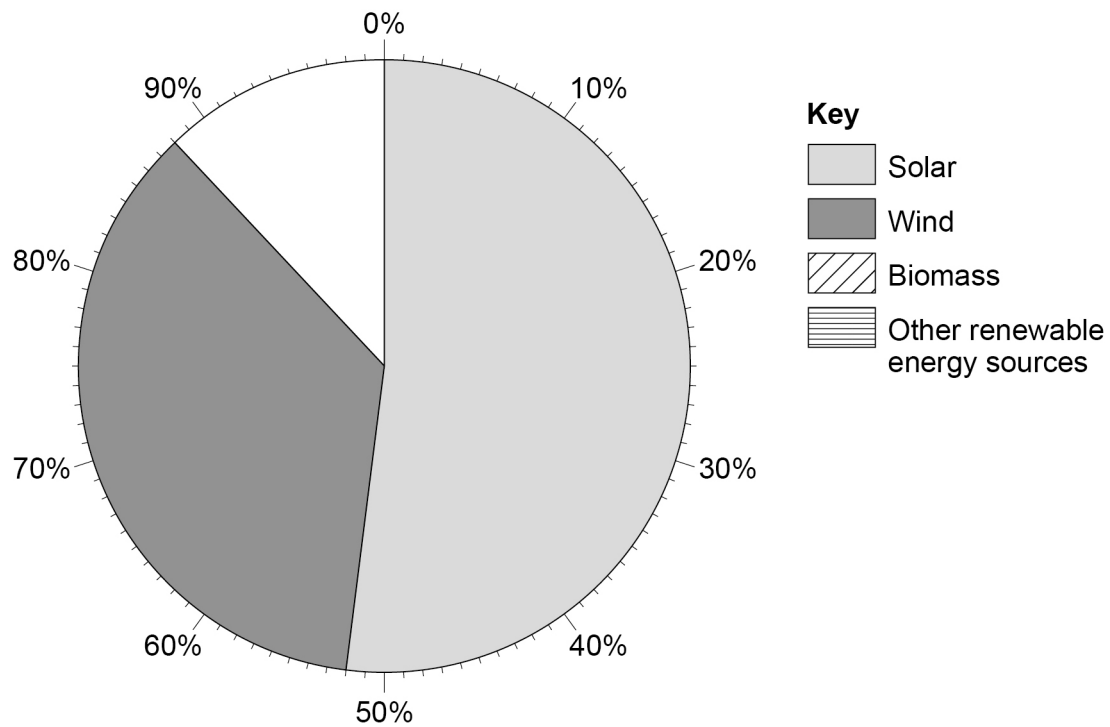


[6 marks]

[illegible]

Study **Figure 7**, a pie chart showing the global percentage investment in renewable energy sources in 2022.

Figure 7



0 3 . 6 Complete **Figure 7** by using the information below.

Biomass – 4%
Other renewable energy sources – 8%

[2 marks]

0 3 . 7 Give **two** examples of 'other renewable energy sources' in **Figure 7**.

[2 marks]

- 1 _____
- 2 _____

Question 3 continues on the next page

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0 3 . 8

Explain how a local renewable energy scheme in an LIC or NEE is increasing energy sustainability.

[4 marks]



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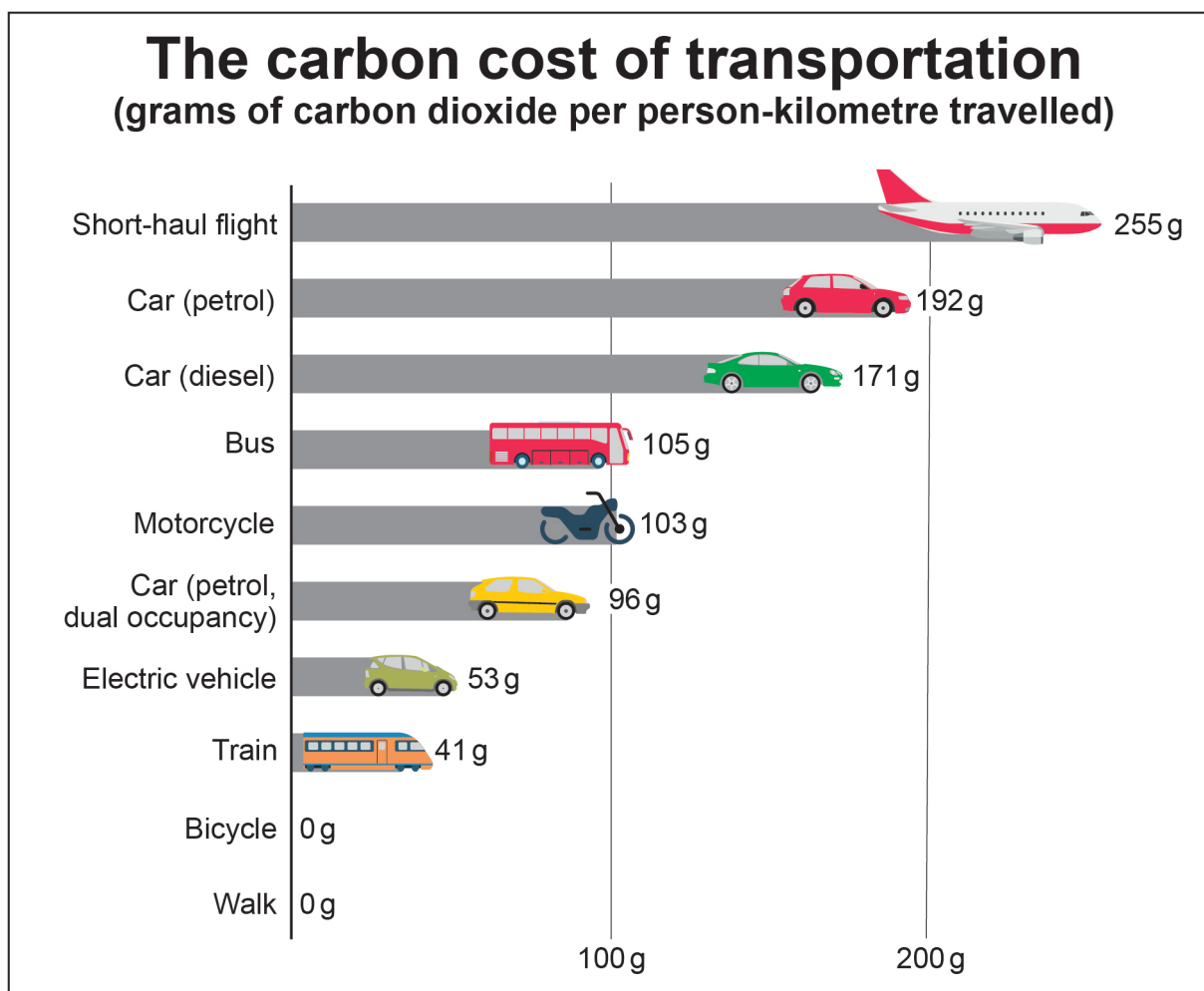
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Study **Figure 8**, a diagram showing the relationship between types of transport and carbon footprints.

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Figure 8



'Individual decisions can reduce carbon footprints.'

Use **Figure 8** and your own understanding.

[6 marks]

[illegible]

30

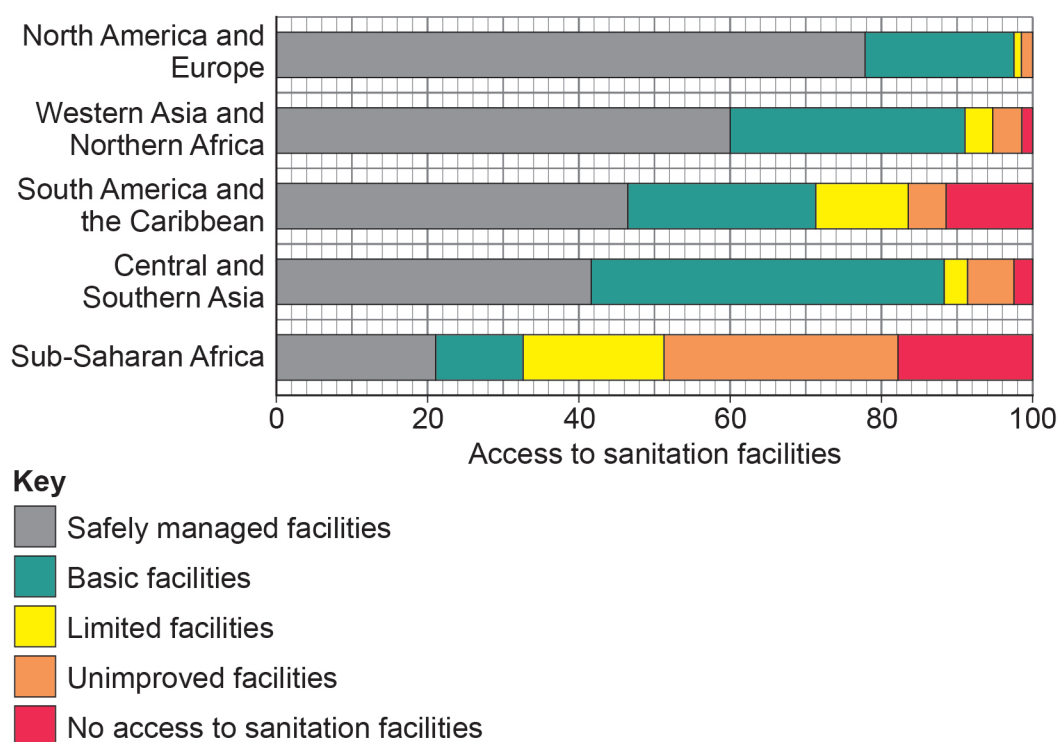
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Question 4 – Population and communication

Study **Figure 9**, a graph showing access to sanitation facilities in different world regions (2020).

Figure 9

0 4 . 1 Which regions in **Figure 9** had the highest level of access to safely managed sanitation facilities in 2020?

Shade **one** circle only.

[1 mark]

A Central and Southern Asia

☐

B North America and Europe

☐

C South America and the Caribbean

☐

D Western Asia and Northern Africa

☐


0 4 . 2

Calculate the percentage difference between the regions with the highest and lowest level of safely managed sanitation facilities shown in **Figure 9**.

[1 mark]

0 4 . 3

Explain how access to sanitation facilities can influence population growth.

[4 marks]

0 4 . 4

Outline **two** factors that might affect population growth, other than access to sanitation facilities.

[4 marks]

1

2

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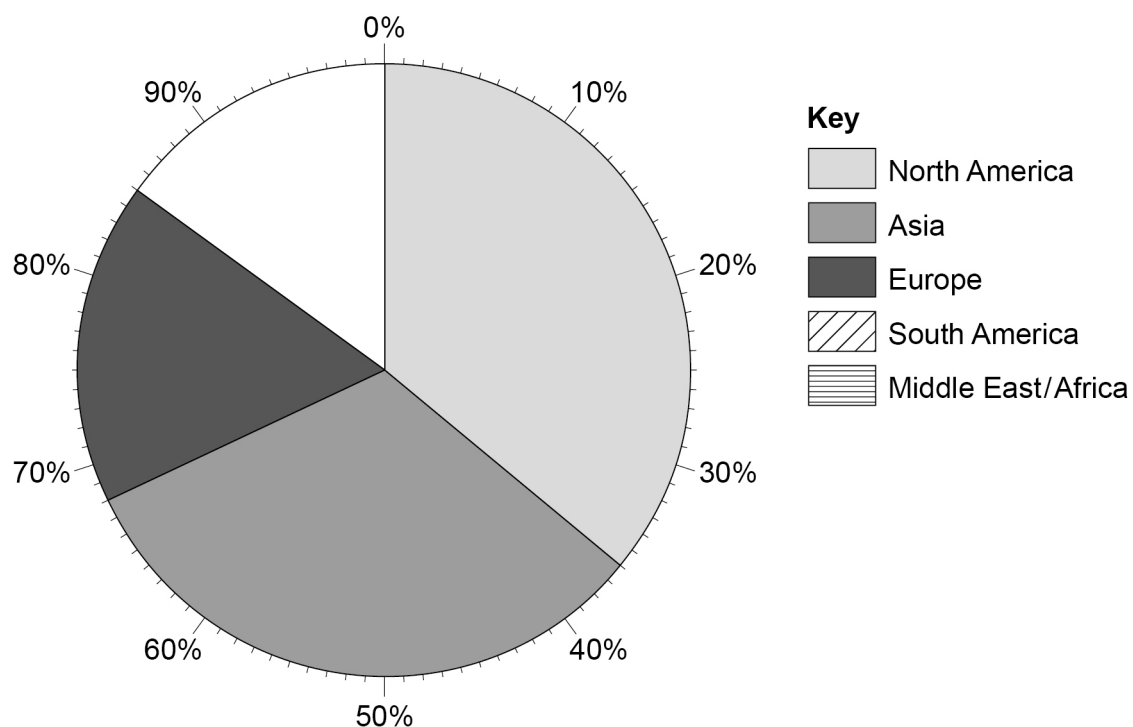


[6 marks]

[illegible]

Study **Figure 10**, a pie chart showing the global location of call centres in 2022 (%).

Figure 10



0 4 . 6

Complete **Figure 10** by using the information below.

Percentage of call centres in:

South America – 8%

Middle East/Africa – 7%

[2 marks]

Question 4 continues on the next page

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0 4 . 7

Explain how the development of Information and communication technology (ICT) has created the opportunity for the global growth of call centres.

[4 marks]

0 4 . 8

Give **two** environmental challenges that airport development might cause.

[2 marks]

1

2



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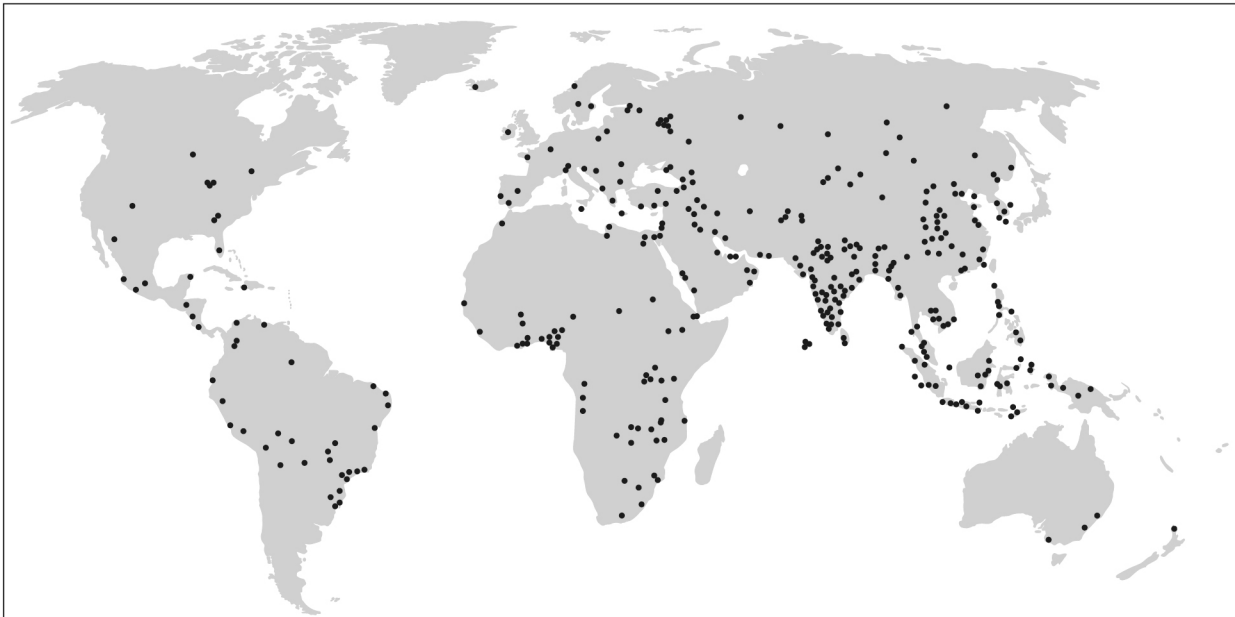
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Study **Figure 11**, a world map showing planned new airports.

Figure 11



Key

- Planned new airports

[6 marks]

[illegible]

30

END OF QUESTIONS



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[illegible]

[illegible]

[illegible]

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