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I declare this is my own work.

GCSE GEOGRAPHY

8035/2

Paper 2 Challenges in the Human Environment

Wednesday 3 June 2020 Morning

Time allowed: 1 hour 30 minutes

For this paper you must have:

- the insert (enclosed)
- the Ordnance Survey map legend (enclosed)
- a pencil
- a rubber
- a ruler.

You may use a calculator.

At the top of the page, write your surname and other names, your centre number, your candidate number and add your signature.

[Turn over]



J U N 2 0 8 0 3 5 2 0 1

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INSTRUCTIONS

- **Use black ink or black ball-point pen.**
- **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 on blank pages.**
- **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.**

DO NOT TURN OVER UNTIL TOLD TO DO SO



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

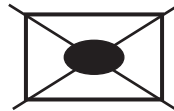
CORRECT METHOD



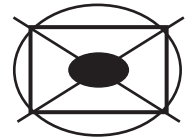
WRONG METHODS



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.



[Turn over]



SECTION A Urban issues and challenges

Answer ALL questions in this section.

QUESTION 1 Urban issues and challenges

0 1 . 1

Which statement completes the following sentence?

A megacity is a city with at least...

Shade ONE circle only. [1 mark]

A 500 000 people.

B 1 million people.

C 5 million people.

D 10 million people.



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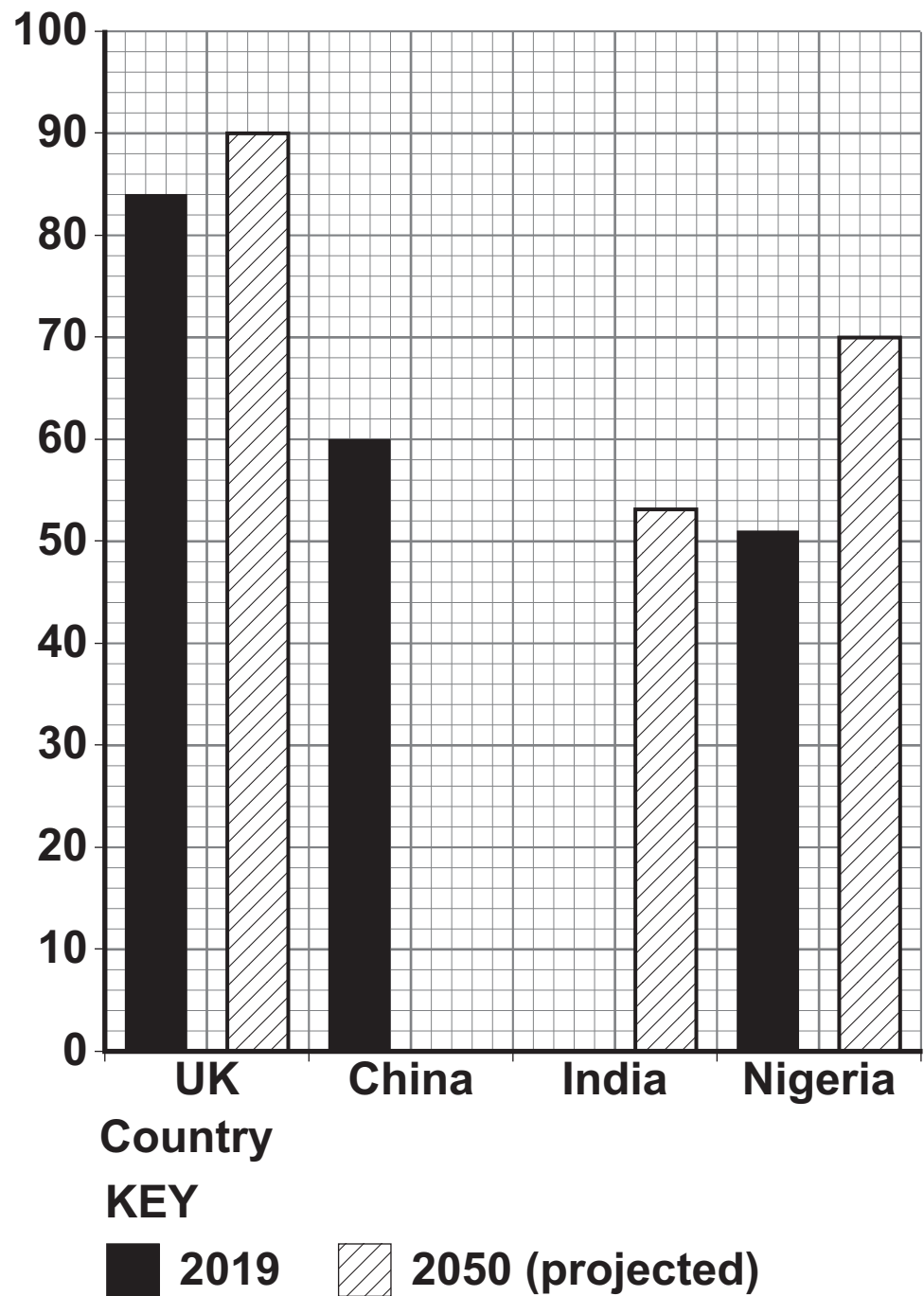
[Turn over]



Study FIGURE 1, a graph showing the percentage of people living in urban areas in selected countries.

FIGURE 1

Percentage of people living in urban areas



0 1 . 2

Complete FIGURE 1 using the following data. [2 marks]

Country	% living in urban areas in 2019	% living in urban areas in 2050 (projected)
UK	84	90
China	60	80
India	35	53
Nigeria	51	70

0 1 . 3

Calculate the mean percentage of people projected to be living in urban areas in 2050, in the countries shown.

Answer to the nearest whole percentage.
[1 mark]

_____ %

[Turn over]



0 1 . 4

Give TWO pull factors that encourage people to move to urban areas in LICs/NEEs. [2 marks]

1 _____

2 _____

Study FIGURE 2, on page 2 of the insert, a photo of a shared toilet in an Indian city.

0 1 . 5

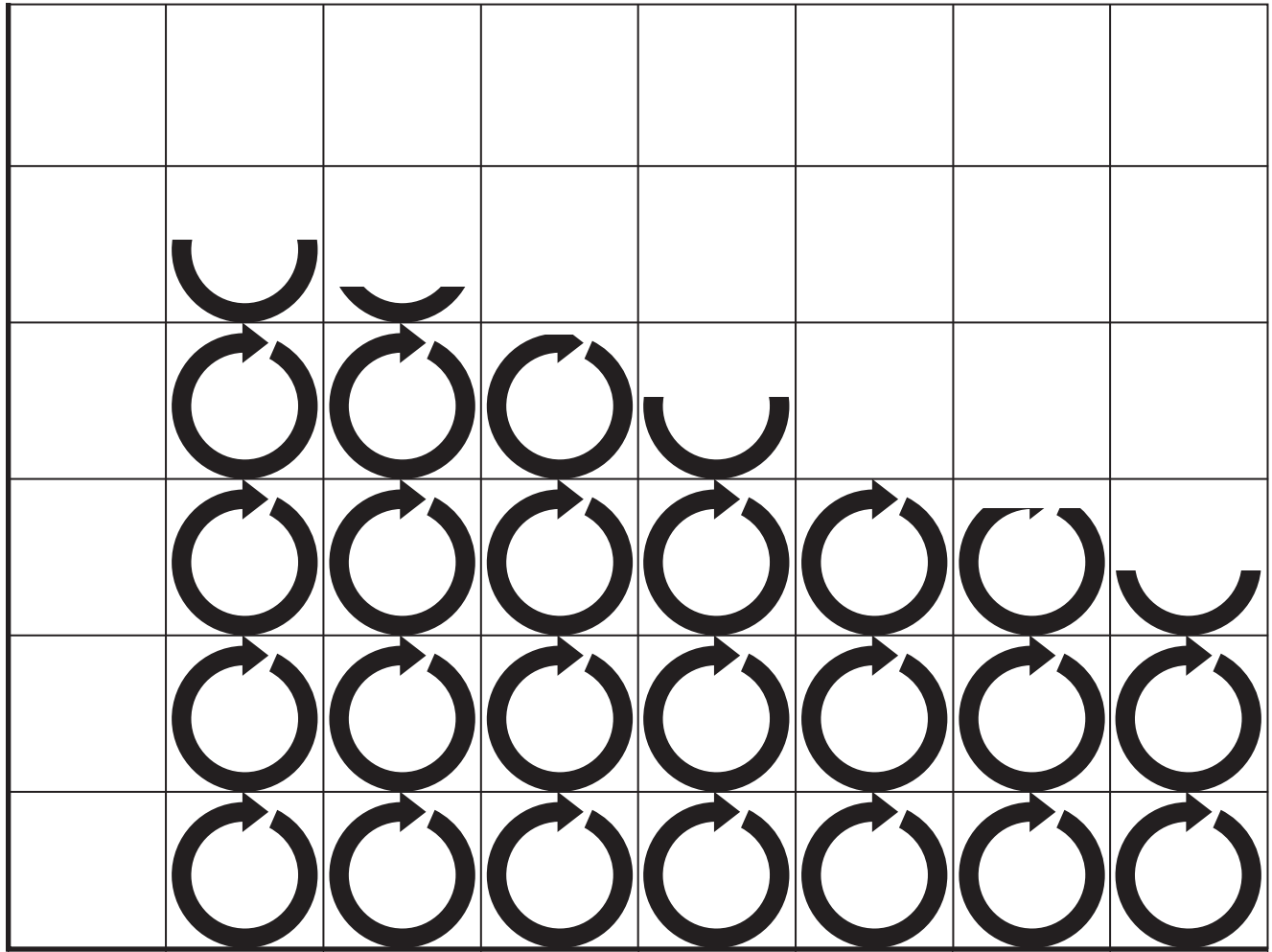
Suggest why sanitation systems in cities in LICs/NEEs create challenges.

Use FIGURE 2 and your own understanding. [4 marks]



FIGURE 3

Percentage of household waste recycled



H E N A D S L B

City

KEY

- H = Hull**
- E = Edinburgh**
- N = Newcastle**
- A = Aberdeen**
- D = Derby**
- S = Sheffield**
- L = Liverpool**
- B = Birmingham**

 **represents 10% household waste recycled**



Study FIGURE 3, on page 12, a graph showing the percentage of household waste that was recycled in 2016–17 in selected cities in the UK.

0 1 . 6

Complete FIGURE 3 using the following data. [1 mark]

City	Percentage of household waste recycled
Hull	50

0 1 . 7

Outline ONE advantage of recycling waste. [2 marks]

[Turn over]



Study FIGURE 4, on page 3 of the insert, an Ordnance Survey map of part of Hull, a city in the UK.

0 1 . 9

What is the 6 figure grid reference for the point marked X?

Shade ONE circle only. [1 mark]

A 283098

B 098282

C 098298

D 102283

0 1 . 1 0

What is the straight line distance, to the nearest 100 m, from point X to the centre of the rail and bus station at 092288?

Shade ONE circle only. [1 mark]

A 500 m

B 700 m

C 900 m

D 1.1 km



Study FIGURE 5a and FIGURE 5b, on pages 4 and 5 of the insert, which were taken at point X on FIGURE 4.

They show the same location before and after a regeneration scheme.

0 1 . 1 1

Suggest how a regeneration project can solve urban problems.

Use FIGURE 5a and FIGURE 5b and a UK example you have studied.

[9 marks] [+3 SPaG marks]

[Turn over]



SECTION B The changing economic world

Answer ALL questions in this section.

QUESTION 2 The changing economic world

Study FIGURE 6, on pages 6 and 7 of the insert, a diagram showing countries and their share of world trade.

0 2 . 1

Using FIGURE 6, what is Mexico's share of world trade? [1 mark]

_____ %

0 2 . 2

Using FIGURE 6, what is the difference between China and the USA's share of world trade? [1 mark]

_____ %

0 2 . 3

Outline the limitations of economic measures of development. [3 marks]



Study **FIGURE 7a**, on page 8 of the insert, a graph of tourist arrivals to South Africa 2012–2023 (projected) and **FIGURE 7b**, on page 9 of the insert, some opinions about tourism in South Africa.

South Africa is a NEE country.

0 2 . 5

Describe the trend shown in **FIGURE 7a**.
[1 mark]

0 2 . 6

Using **FIGURE 7b**, state **ONE** benefit of tourism to South Africa’s economy.
[1 mark]



Study FIGURE 8, on pages 10 and 11 of the insert, showing life expectancy at selected places along the East Coast main railway.

0 2 . 8

Calculate the median life expectancy shown in FIGURE 8. [2 marks]

Show your working

Median =

[Turn over]



0 2 . 9

How might the data in **FIGURE 8** suggest a north-south divide in the UK? [2 marks]

0 2 . 1 0

Evaluate the success or likely success of **ONE OR MORE** strategies to resolve regional differences in the UK. [9 marks]



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 9, on page 12 of the insert,
a graph showing the percentage of
income spent on food in selected
countries.**

0 3 . 1

**Using FIGURE 9, suggest how the
percentage of income spent on food may
influence well-being. [2 marks]**

[Turn over]



0 3 . 2

What is organic farming? [1 mark]

0 3 . 3

Explain why there is a growing demand in the UK for food from LICs. [3 marks]



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[Turn over]



Study FIGURES 10a and 10b, on pages 14 and 15 of the insert.

FIGURE 10a shows the cost of producing electricity in the UK by source.

FIGURE 10b is a photograph showing some issues regarding wind farms.

0 3 . 4

‘There are economic and environmental issues associated with the exploitation of energy sources.’

**Use evidence from FIGURE 10a and FIGURE 10b to explain this statement.
[6 marks]**



Answer EITHER Question 4 (Food) OR Question 5 (Water) OR Question 6 (Energy).

QUESTION 4 Food

Study **FIGURE 11**, on page 35, a map of Africa showing the percentage of population that was undernourished between 2016 and 2018.

0 4 . 1

Complete **FIGURE 11** using the following data. [2 marks]

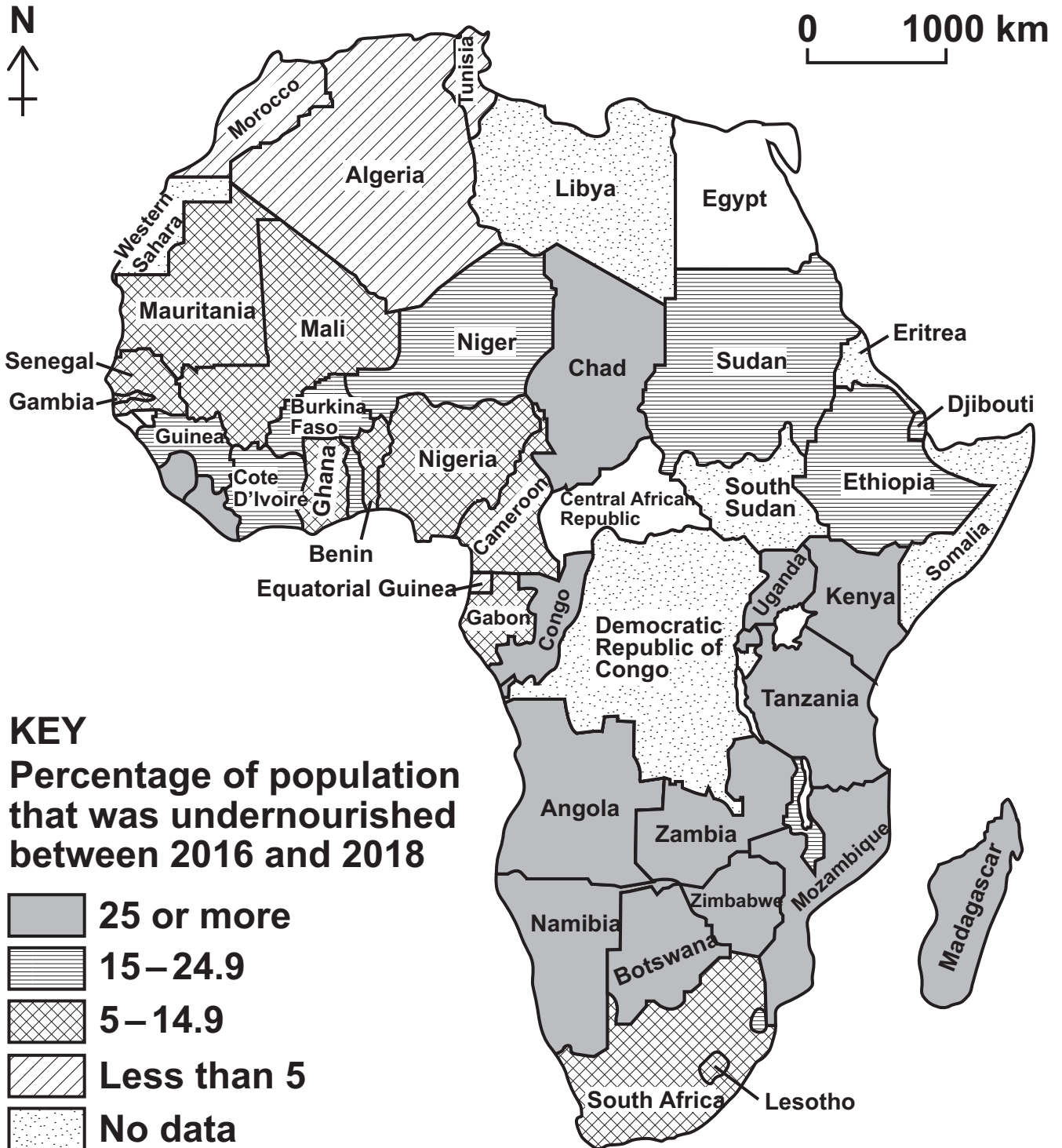
Country	% of population undernourished
Egypt	less than 5
Central African Republic	25 or more

0 4 . 2

Describe the distribution of the countries which had 5–14.9% of their population undernourished between 2016 and 2018 as shown in **FIGURE 11**. [2 marks]



FIGURE 11



[Turn over]



0 4 . 3

Suggest ONE reason for differences in undernourishment between countries. [2 marks]

0 4 . 4

What is meant by famine? [1 mark]

Study FIGURES 12a and 12b, on pages 16 and 17 of the insert.

FIGURE 12a is a photograph showing The Eagle Street Rooftop Farm in New York, a city in the USA.

FIGURE 12b is a food label.



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[Turn over]



QUESTION 5 Water

Study **FIGURE 13**, on page 41, a map of Africa showing the water footprint per person per year.

0 5 . 1

Complete **FIGURE 13** using the following data. [2 marks]

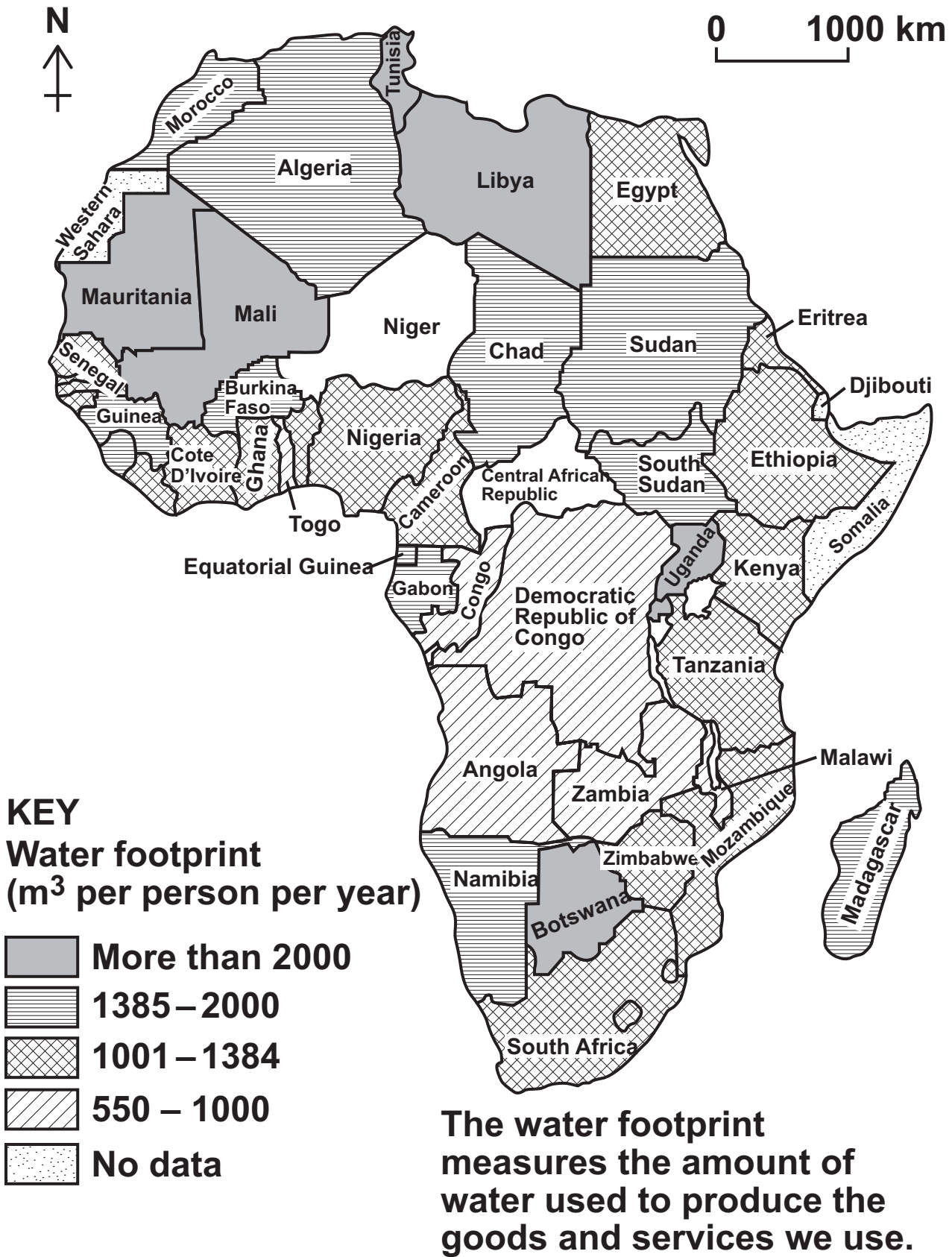
Country	Water footprint m ³ per person per year
Niger	more than 2000
Central African Republic	1001–1384

0 5 . 2

Describe the distribution of the countries which had a water footprint of 550–1000 m³ per person per year as shown in **FIGURE 13**. [2 marks]



FIGURE 13



[Turn over]



0 5 . 3

Outline ONE way in which economic development leads to increased water consumption. [2 marks]

0 5 . 4

What is meant by water deficit? [1 mark]

Study FIGURES 14a and 14b, on pages 18 and 19 of the insert.

FIGURE 14a is a typical greywater system.

FIGURE 14b is a photograph of a garden water butt.



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[Turn over]



QUESTION 6 Energy

Study **FIGURE 15**, on page 47, a map of Africa showing the percentage of population with access to electricity in 2017.

0 6 . 1

Complete **FIGURE 15** using the following data. [2 marks]

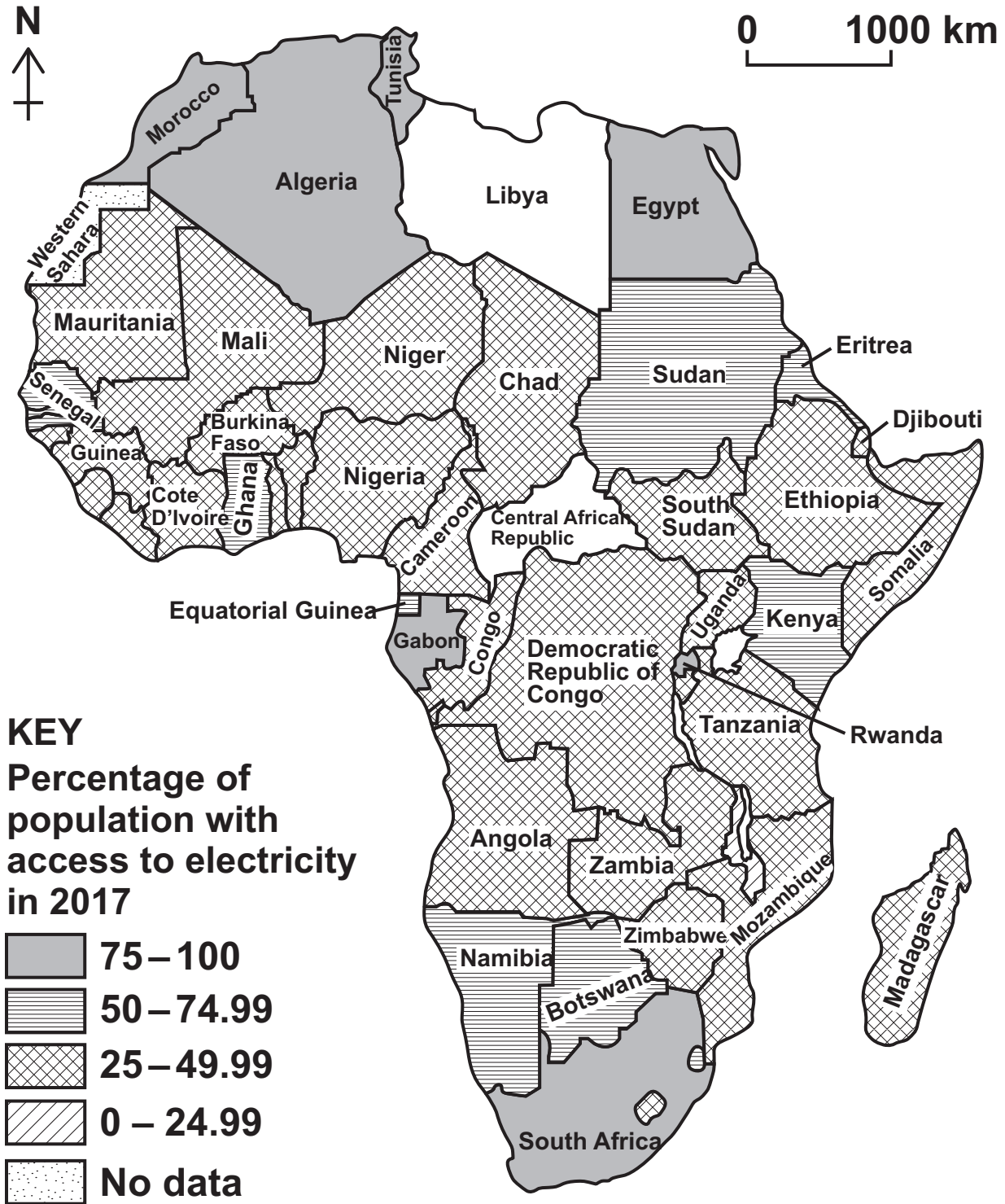
Country	% of population with access to electricity
Libya	50–74.99
Central African Republic	25–49.99

0 6 . 2

Describe the distribution of the countries which had 75–100% access to electricity as shown in **FIGURE 15**. [2 marks]



FIGURE 15



[Turn over]



0 6 . 3

Outline ONE way in which economic development leads to increased energy consumption. [2 marks]

0 6 . 4

**What is meant by energy deficit?
[1 mark]**

Study FIGURES 16a and 16b, on pages 20 and 21 of the insert.

FIGURE 16a is a diagram showing energy conservation in the home.

FIGURE 16b is a photograph of an electric vehicle charging point.



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

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