



Surname _____

Other Names _____

Centre Number _____

Candidate Number _____

Candidate Signature _____

I declare this is my own work.

GCSE

GEOGRAPHY

8035/2

**Paper 2 Challenges in the
Human Environment**

Time allowed: 1 hour 30 minutes

**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 1 8 0 3 5 2 0 1

For this paper you must have:

- **the insert (enclosed)**
- **the OS map legend as an insert (enclosed)**
- **a pencil**
- **a rubber**
- **a ruler.**

You may use a calculator.

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.**
- **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.**

**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.

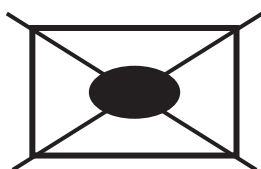
CORRECT METHOD



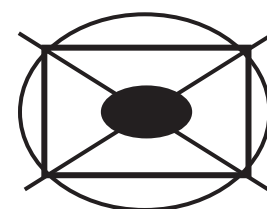
WRONG METHODS



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]



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SECTION A Urban issues and challenges

Answer ALL questions in this section.

QUESTION 1 Urban issues and challenges

01 . 1

What is meant by rural-urban migration?
[1 mark]

[Turn over]



Study FIGURE 1, on page 2 of the insert, a map showing cities that are expected to become megacities by 2035.

01 . 2

Describe the distribution of the cities shown in FIGURE 1. [2 marks]

0	1	.	3
---	---	---	---

Outline ONE reason why managing transport is important for urban sustainability. [2 marks]

[Turn over]



Study FIGURE 2, on page 3 of the insert, photographs of the Vertical Forest development in Milan, a city in Italy.

01 . 4

Explain why creating green space is important for sustainable urban living.

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



[Turn over]



Study FIGURE 3, on page 4 of the insert, a 1:50 000 Ordnance Survey map showing part of Aberdeen, a city in the UK.

0 1 . 5

Using FIGURE 3, give the four-figure grid reference for the park and ride.

Shade ONE circle only. [1 mark]

☐

A 0686

☐

B 0687

☐

C 8606

☐

D 8706



0	1	.	6
---	---	---	---

Using FIGURE 3, what is the distance along the A944 from the junction at 854063 to the edge of the built up area at 890066?

Shade ONE circle only. [1 mark]

☐

A 2.8 km

☐

B 3.3 km

☐

C 3.8 km

☐

D 4.3 km

[Turn over]



Study FIGURE 4, on page 5 of the insert, a 1:50 000 Ordnance Survey map from the 1950s showing the same area of Aberdeen as FIGURE 3.

01 . 7

Suggest how urban sprawl and the growth of commuter settlements have impacts on the rural-urban fringe.

Use FIGURE 3 and FIGURE 4 and your own understanding. [6 marks]

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[Turn over]





Study FIGURE 5, on pages 6 and 7 of the insert, a graph showing air pollution for 24 hours on 3 January 2019 in New Delhi, a city in India.

01 . 8

At what time of day is air pollution the highest? [1 mark]

01 . 9

Calculate the range in air pollution levels shown in FIGURE 5. [1 mark]

micrograms per cubic metre

[Turn over]



01 . 10

Outline ONE reason why levels of air pollution are so high in many LIC/NEE cities. [2 marks]

0	1	.	1	1
---	---	---	---	---

Assess the extent of the challenges created by urban growth in LICs/NEEs.

**Use a case study of a city in an LIC/NEE.
[9 marks] [+ 3 SPaG marks]**

Name of LIC/NEE city

[Turn over]



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[illegible]

[Turn over]



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33

[End of Section A]

[Turn over for Section B]



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[Turn over]



SECTION B The changing economic world

Answer ALL questions in this section.

QUESTION 2 The changing economic world

Study FIGURE 6, on page 25, a world map showing the 10 largest global flows of money sent home by migrants working abroad in 2016.

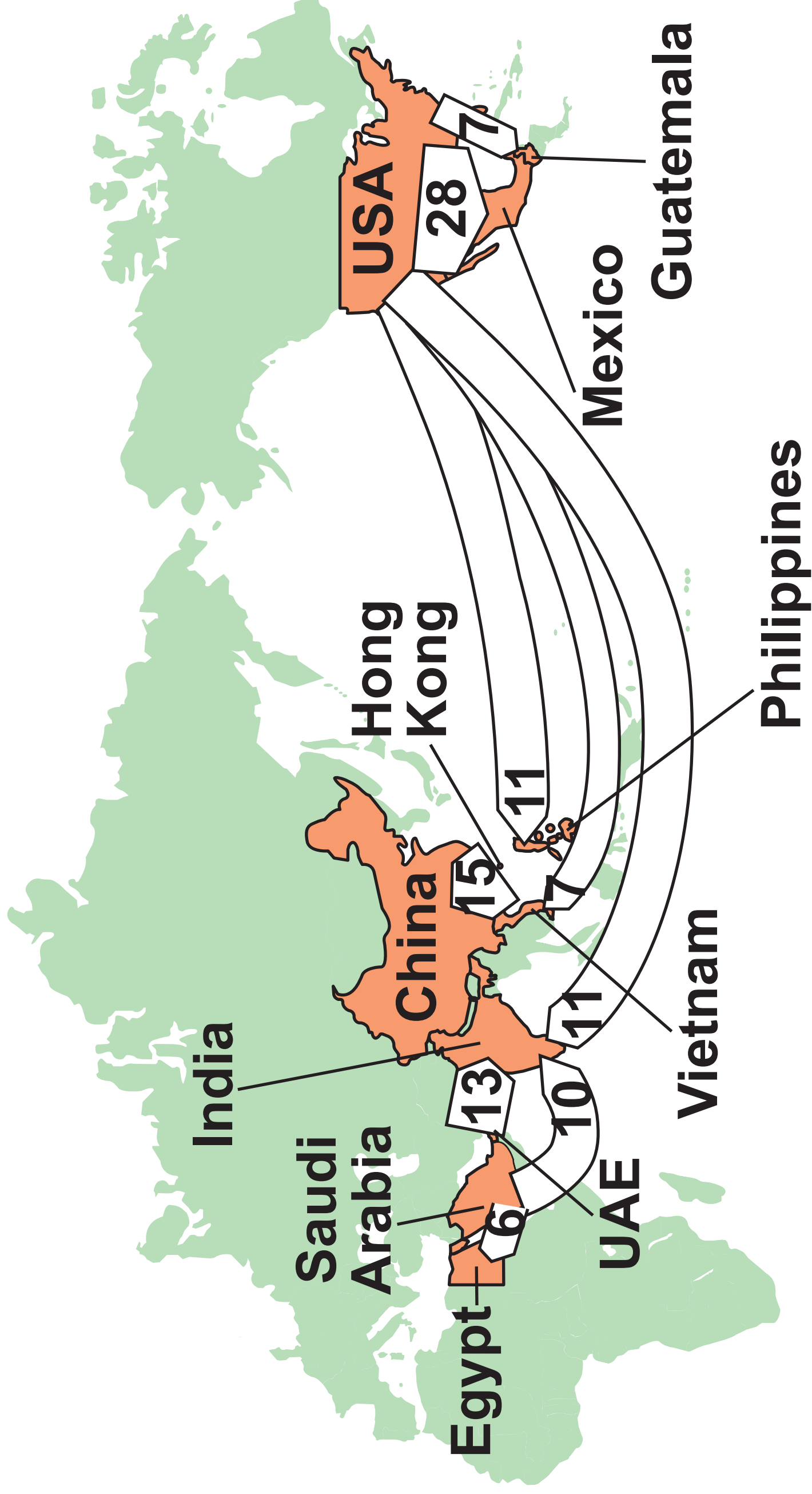
0 2 . 1

Use the following data to complete FIGURE 6. [2 marks]

From	To	Amount US\$ billion
USA	China	14



FIGURE 6



KEY

- Flow of money sent home by migrants working abroad
- 1mm represents 2 billion US\$

[Turn over]

0	2	.	2
---	---	---	---

Guatemala's gross national income (GNI) in 2016 was US\$135 billion. The amount Guatemala receives from migrants in the USA is US\$7 billion.

Calculate the percentage of Guatemala's GNI that comes from payments sent home by people who have migrated to the USA.

Answer to the nearest whole %. [1 mark]



0	2	.	3
---	---	---	---

Outline how uneven development can cause international migration. [3 marks]

[Turn over]



0	2	.	4
---	---	---	---

**Describe the social OR cultural background of a named LIC/NEE country.
[2 marks]**

Name of country _____



Study FIGURE 7, on pages 8 and 9 of the insert, a map showing some of the main regional trade groupings in the world.

0 2 . 5

Using FIGURE 7, which trading group in South America has the most member countries? [1 mark]

[Turn over]



0	2	.	6
---	---	---	---

Explain how one country's trading relationships with the wider world have changed.

Use FIGURE 7 and an LIC/NEE you have studied. [4 marks]

Name of country _____



[Turn over]



Study FIGURE 8, on page 10 of the insert, some information about Asha. Asha is an aid project in Delhi, a city in India.

02 . 7

Use FIGURE 8 to state ONE source of Asha's funding. [1 mark]

02 . 8

Use FIGURE 8 to state ONE way that Asha helps slum dwellers financially. [1 mark]



0	2	.	9
---	---	---	---

‘Aid is the best way to reduce the development gap.’

To what extent do you agree?

Use FIGURE 8 and your own understanding. [6 marks]

[Turn over]



[illegible]

[Turn over]



0	2	.	1	0
---	---	---	---	---

Social and economic changes in the UK rural landscape are:

- **positive in an area of population growth**
- **negative in an area of population decline.**

Do you agree?

Justify your answer, using one or more examples. [9 marks]

[illegible]

[Turn over]



[illegible]



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 11 of the insert, a map showing the levels of well-being for young people in selected countries.

03 . 1

Suggest how access to clean water may influence the differences in levels of well-being shown in FIGURE 9. [2 marks]

03 . 2

Name ONE area in the UK that experiences water deficit. [1 mark]

[Turn over]

0	3	.	3
---	---	---	---

There is a need to transfer water in the UK to maintain supplies.

Explain how changing demand for water increases this need. [3 marks]

Study FIGURE 10a and FIGURE 10b, on pages 12 and 13 of the insert.

FIGURE 10a shows the amount of carbon dioxide (CO₂) emitted to produce 1 kg of food.

FIGURE 10b is a screenshot of a local food organisation's website.

03 . 4

‘Growing concern in the UK about the carbon footprint of food creates both opportunities and challenges.’

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

[Turn over]



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45

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12

[End of Question 3] [Turn over]

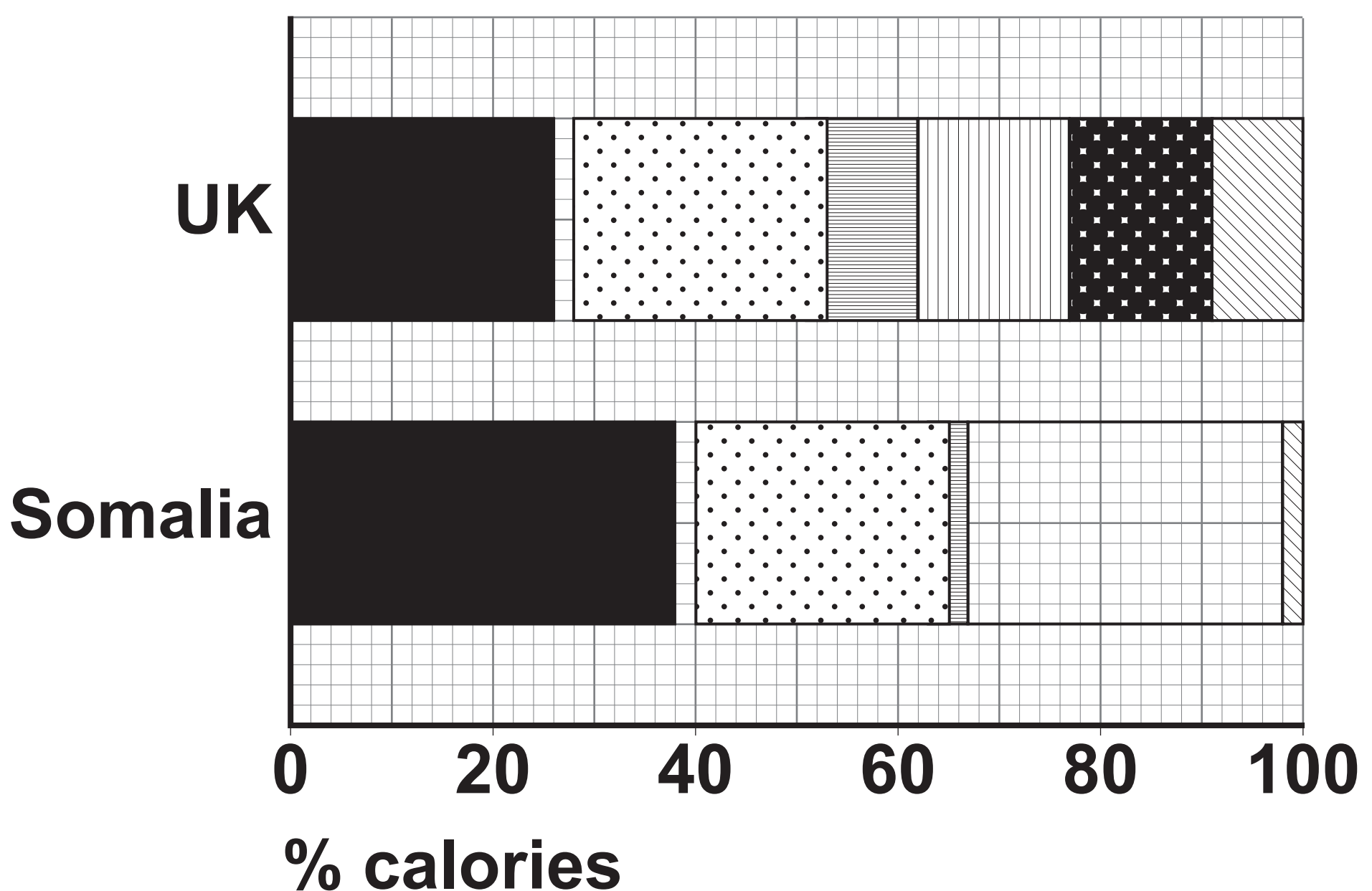


Answer EITHER Question 4 (Food) OR Question 5 (Water) OR Question 6 (Energy).

QUESTION 4 Food

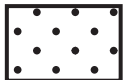
Study FIGURE 11, a divided bar chart showing the typical daily diet in the UK and Somalia.

FIGURE 11



KEY

 Grain

 Sugar and fat

 Fruit and vegetables

 Dairy and eggs

 Meat

 Other



04 . 1

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

Food	% calories
Dairy and eggs	24
Meat	7

04 . 2

State TWO differences between the typical daily diet in the UK and Somalia shown in FIGURE 11. [2 marks]

1 _____

2 _____



[Turn over]

0	4	.	3
---	---	---	---

Outline ONE reason for differences in food supply between countries. [2 marks]

0	4	.	4
---	---	---	---

**What is meant by food insecurity?
[1 mark]**



Study FIGURE 12a and FIGURE 12b on page 14 of the insert.

04 . 5

Suggest how food insecurity can have both economic and social impacts.

Use FIGURES 12a and 12b and your own understanding. [6 marks]

[Turn over]



50

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[End of Question 4]

**[If you have answered Question 4,
do NOT answer Question 5 or 6]**

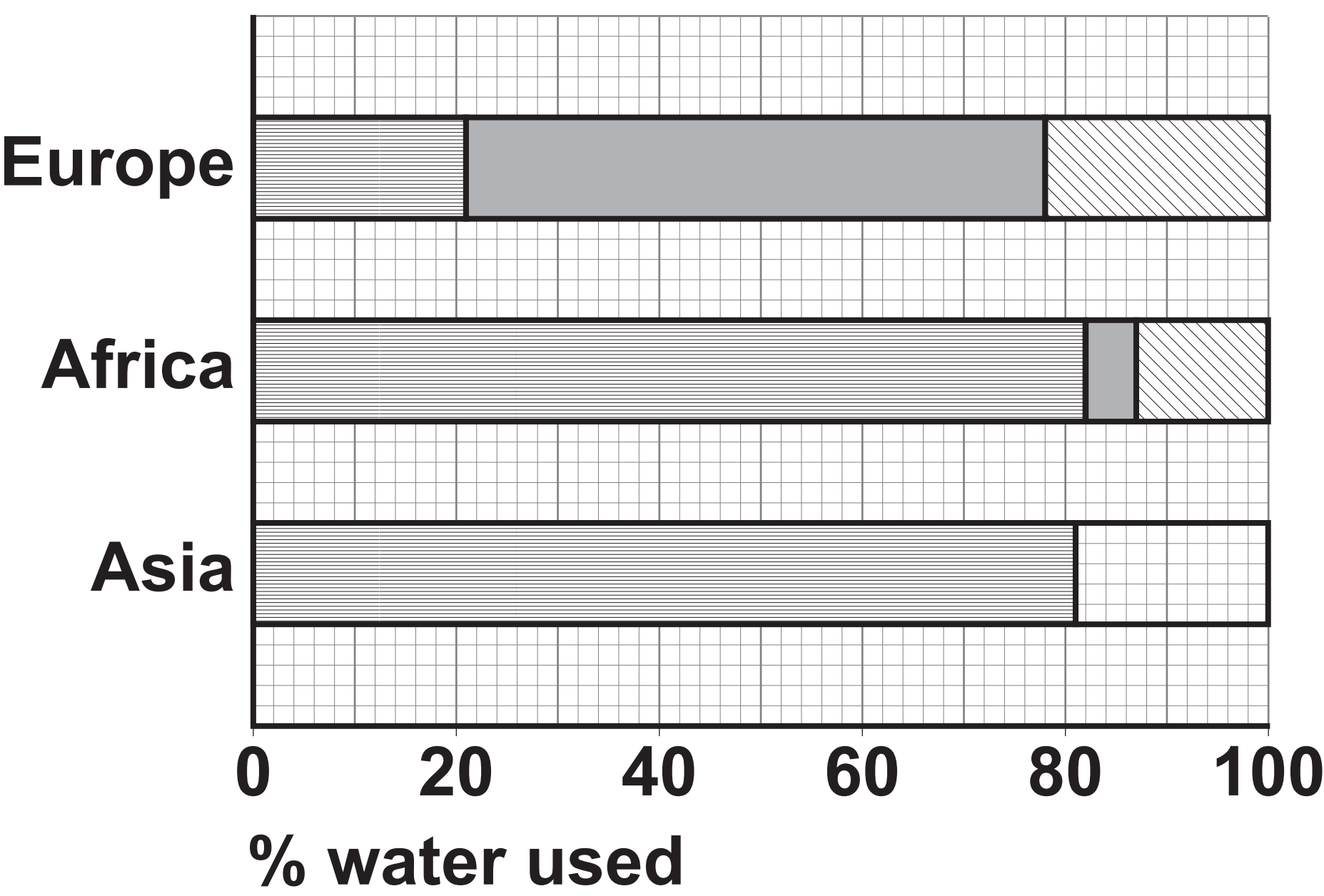
[Turn over]



QUESTION 5 Water

Study FIGURE 13, a divided bar chart showing water use by different sectors of the economy in Europe, Africa and Asia.

FIGURE 13



- KEY**
- Agriculture
 - Industry
 - Household

05 . 1

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

Sector	% water used
Industry	10
Household	9

05 . 2

State TWO differences between the water use in Europe and Africa shown in FIGURE 13. [2 marks]

1 _____

2 _____



[Turn over]

0	5	.	3
---	---	---	---

Outline ONE reason for differences in water use between countries. [2 marks]

0	5	.	4
---	---	---	---

**What is meant by water insecurity?
[1 mark]**



Study FIGURE 14a and FIGURE 14b, on page 15 of the insert.

05 . 5

Suggest how water insecurity can have both economic and social impacts.

Use FIGURE 14a and FIGURE 14b and your own understanding. [6 marks]

[Turn over]



[illegible]

[End of Question 5]

**[If you have answered Question 5,
do NOT answer Question 4 or 6]**

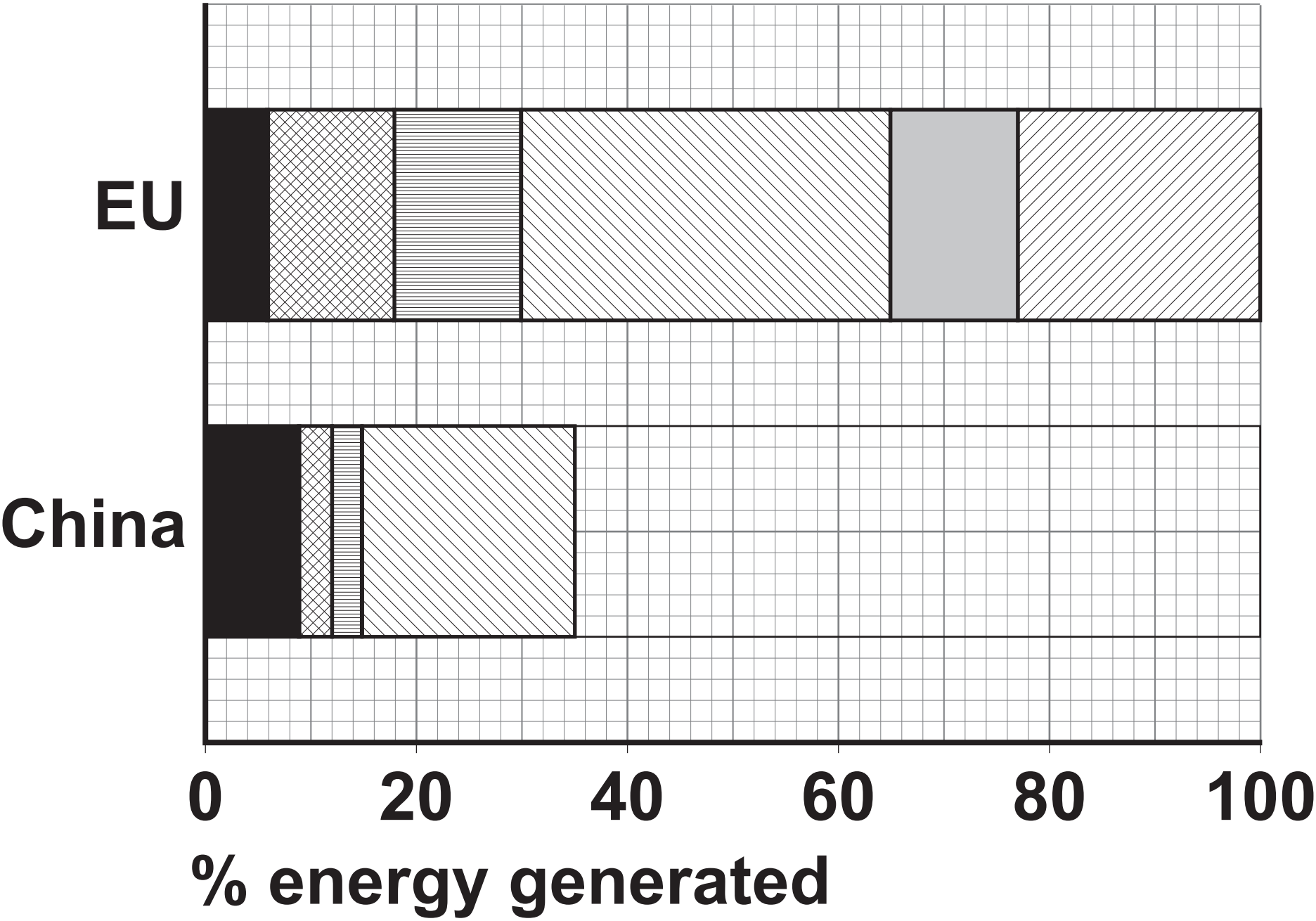
[Turn over]



QUESTION 6 Energy

Study FIGURE 15, a divided bar chart showing the energy mix in the European Union (EU) and China.

FIGURE 16



KEY

- | | |
|-----------|------|
| Hydro | Oil |
| Renewable | Coal |
| Nuclear | Gas |

06 . 1

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

Energy source	% energy generated
Coal	59
Gas	6

06 . 2

State TWO differences between the energy mix in the EU and China shown in FIGURE 15. [2 marks]

1 _____

2 _____



[Turn over]

06 . 3

Outline ONE reason for differences in energy use between countries. [2 marks]

06 . 4

What is meant by energy insecurity? [1 mark]

Study FIGURE 16a and FIGURE 16b, on page 16 of the insert.

06 . 5

Suggest how energy insecurity can have both economic and environmental impacts.

Use FIGURE 16a and FIGURE 16b and your own understanding. [6 marks]

[Turn over]



[illegible]

**[If you have answered Question 6,
do NOT answer Question 4 or 5]**

END OF QUESTIONS



Additional page, if required. Write the question numbers in the left-hand margin.

[illegible]

Additional page, if required. Write the question numbers in the left-hand margin.

[illegible]

Additional page, if required. Write the question numbers in the left-hand margin.

[illegible]

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

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