

1 Study the 1:50 000 map extract of the Rusape area in Zimbabwe.

(a) Identify the types of road found in grid square 9852.

.....
 [2]

(b) Fig. 1 shows a cross section along the line X to Y, which is marked on the map extract.

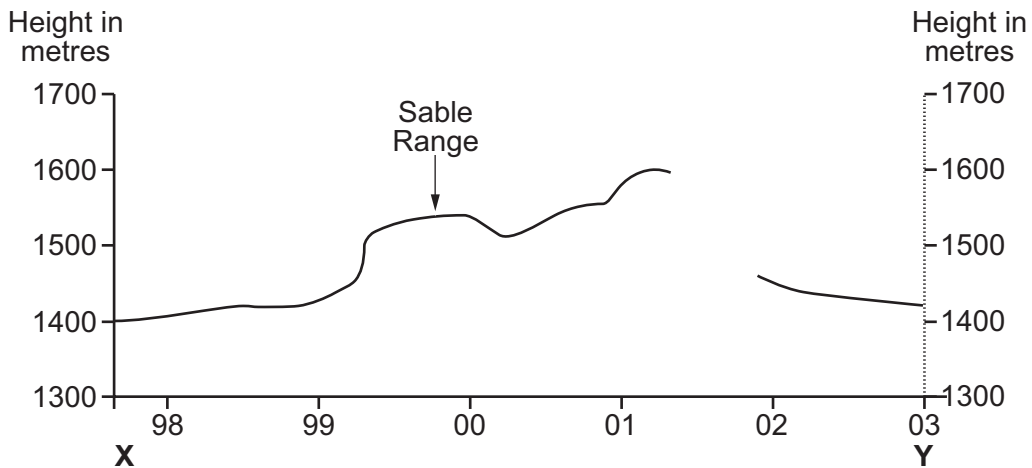


Fig. 1

(i) On Fig. 1, complete the cross section by plotting the remaining contours. [3]

(ii) Mark with an arrow, and label with the letter shown in brackets, the following features onto your completed cross section:

Pfunwa Hill (P); [1]

the 33 kV Power Line (PL); [1]

a stream (S); [1]

the main area of cultivated land (C), and also show how far it extends. [2]

(iii) Suggest a reason for the location of the cultivated land you have marked on the cross section.

.....
 [1]

(c) In which direction is Tandi School (in grid square 9749) from Pfunwa Hill?

..... [1]

(d) Describe the location of the huts in the western part of the map extract.

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..... [2]

(e) The Rusape River flows across the area.

(i) Give **two** pieces of evidence which suggest that the river is flowing from the north east towards the south west.

1

.....

2

..... [2]

(ii) Measure the average width of the river in grid square 0242. Tick (✓) **one** correct answer.

	Tick
50 m	
100 m	
150 m	
200 m	

[1]

(iii) Which **one** of the following statements about the Rusape river is correct? Tick (✓) **one** correct answer.

	Tick
the river has a wide flood plain	
the river has no tributaries	
the river has a delta shown on the map	
the river has straight sections and meandering sections	

[1]

(f) Fig. 2 shows the road in the north west of the map extract.

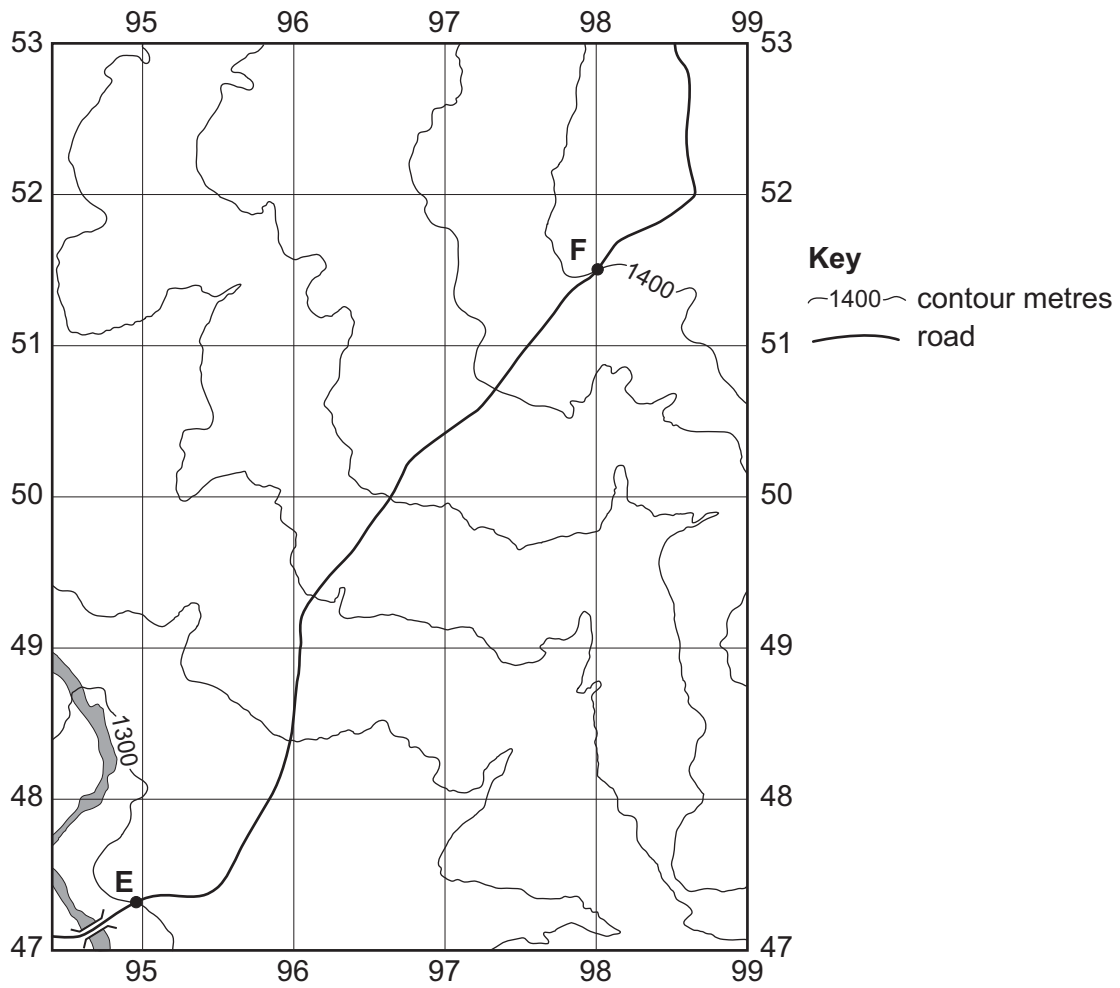


Fig. 2

- (i) On Fig. 2, the heights of two of the contours are shown. Label the heights of the other **four** contours. [1]
- (ii) Measure the distance in metres along the road between points **E** and **F**.

.....metres [1]

[Total: 20 marks]

- 2 (a) Study Fig. 3, which shows the changing fertility rate in China. Fertility rate is the average number of children a woman bears in her lifetime.

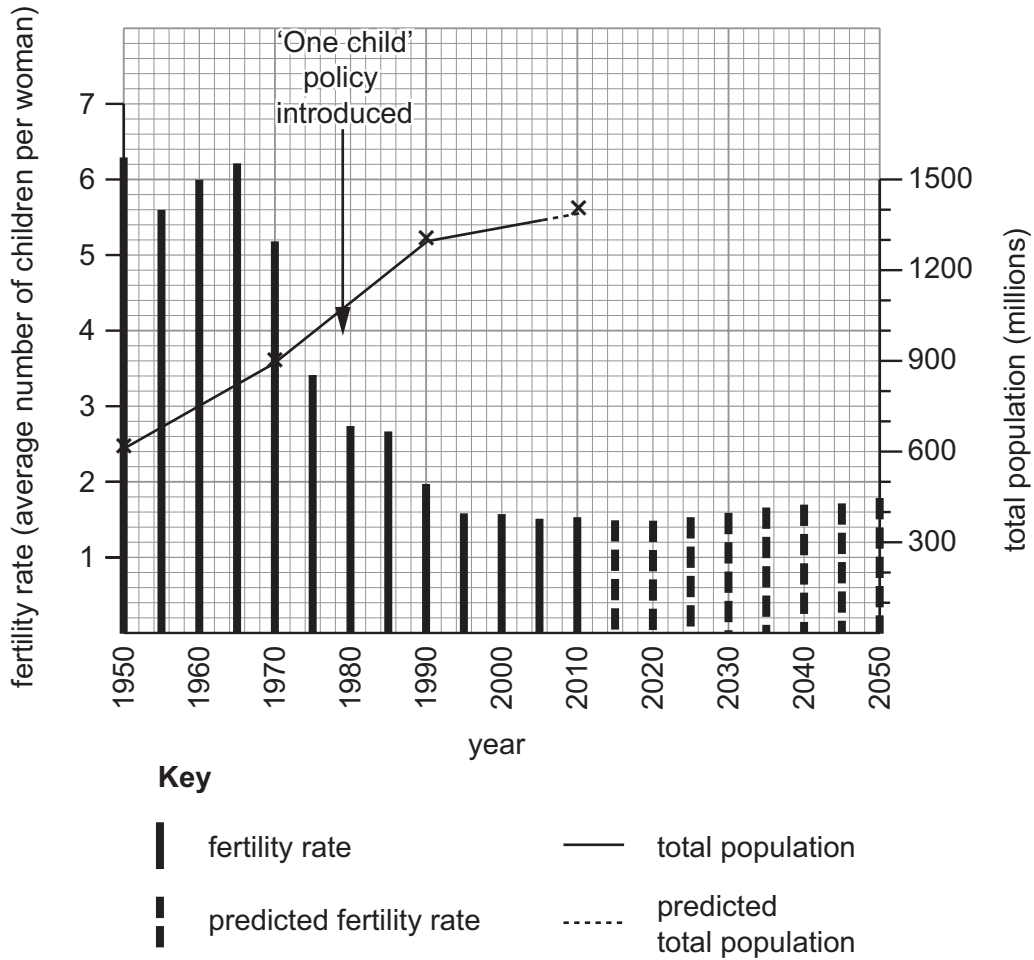


Fig. 3

What was the fertility rate in:

1960;

1980;

2000? [2]

- (b) On Fig. 3, complete the line to show China's predicted population growth. Use the figures in the table below.

Year	Population in millions
2030	1400
2050	1300

[2]

(c) Many people think that it is China's 'One child policy' that has caused the reduction in fertility rate. Does Fig. 3 support this idea?

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..... [2]

(d) Name **two** social or economic factors (other than population data), which might help to explain the changes in China's population.

1

.....

2

..... [2]

[Total: 8 marks]

- 3 (a) Fig. 4 shows the highest and lowest annual rainfall totals in a recent ten year period for a place in the Murray-Darling River Basin in Australia.

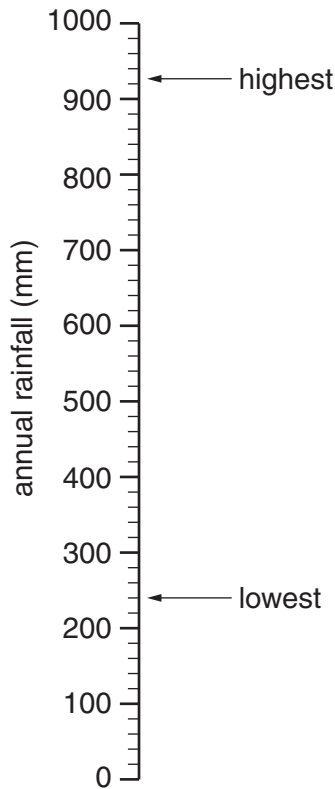


Fig. 4

- (i) The mean rainfall over a period of thirty years is 570 mm. Show this on Fig. 4, using an arrow. [1]
- (ii) How can water authority services in such areas ensure that water is available in dry years?

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..... [2]

(b) Study Fig. 5 and Table 1, which show the different uses of water in two states in Australia.

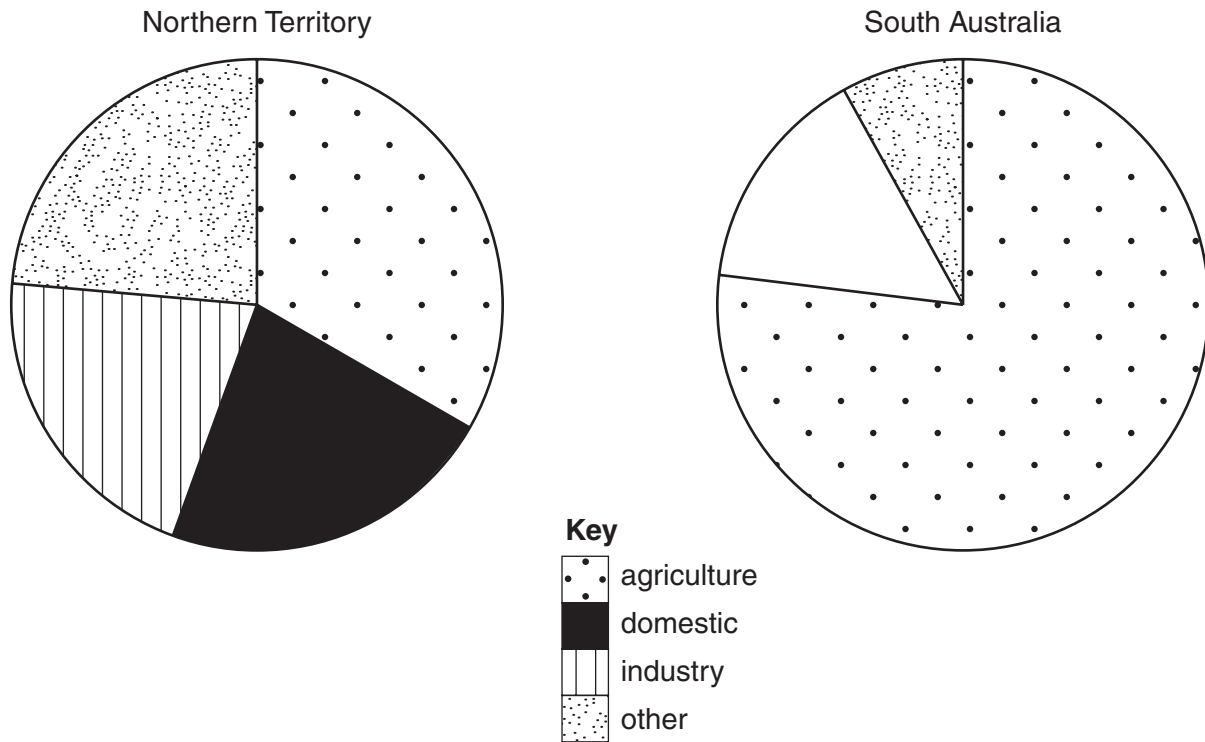


Fig. 5

Table 1

water use in South Australia	%
agriculture	77
domestic	10
industry	5
other	8

(i) On Fig. 5, complete the pie graph for the state of South Australia using the information for domestic and industry in Table 1. Use the key provided for shading. [3]

(ii) Which user consumes the largest amount of water in Northern Territory and what proportion of the supplies does it use? [1]

..... [1]

(iii) Using the information given only, compare water use for agriculture in the two states. [1]

..... [1]

..... [1]

[Total: 8 marks]

4 Study Photograph A (Insert), which shows a valley in southern Japan.

Describe the relief, settlement and land-use of the area shown in the photograph.

Relief

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.....

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Settlement

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Land-use

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[8]

[Total: 8 marks]

5 Study Fig. 6, which shows Havana, the capital city of Cuba. Cuba is an island in the Caribbean.

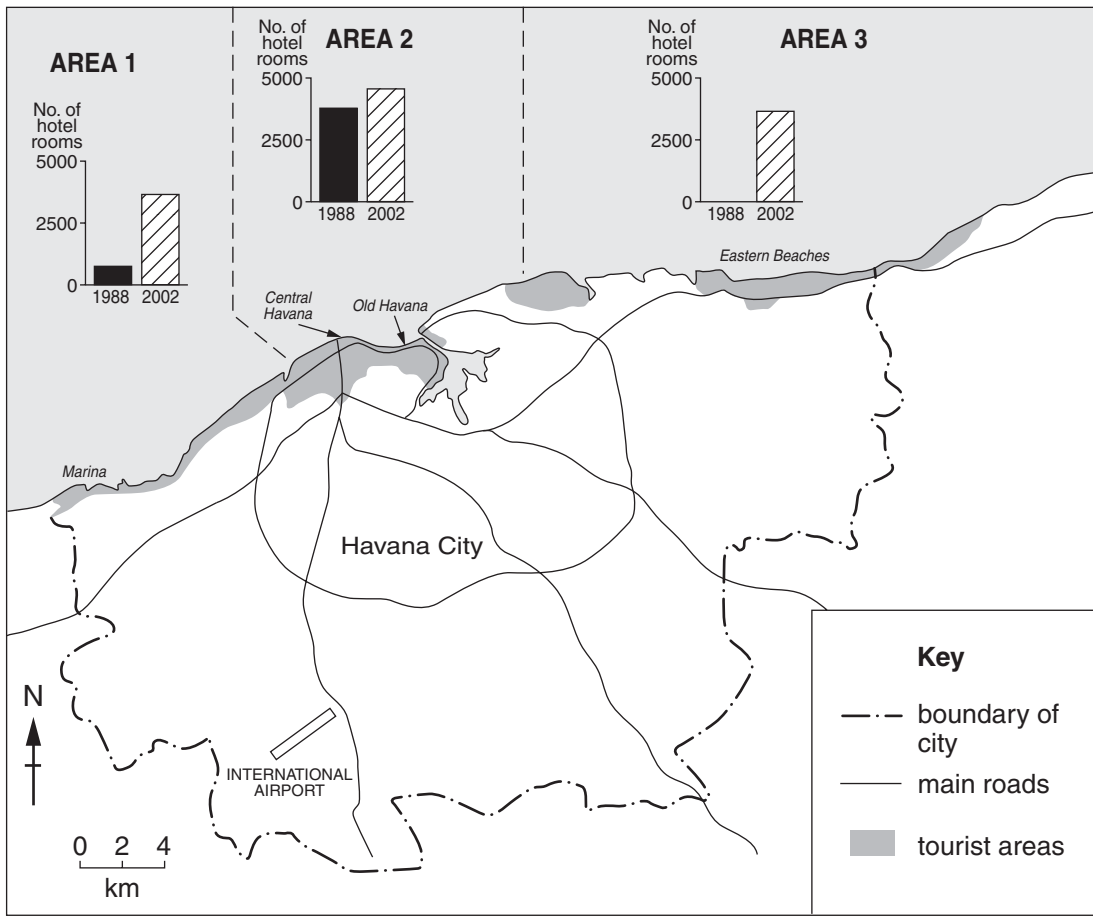


Fig. 6

(a) Describe the location of the tourist areas shown on Fig. 6.

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..... [2]

(b) (i) Which tourist area had the most hotel rooms in 2002?

..... [1]

(ii) Which area showed the biggest increase in number of hotel rooms between 1988 and 2002?

..... [1]

(c) Describe how the number of hotel rooms changed between 1988 and 2002 in the three areas shown on Fig. 6.

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..... [3]

(d) Suggest **one** reason for the different growth rates of the tourist areas.

..... [1]

[Total: 8 marks]

6 Fig. 7 shows energy sources for four countries.

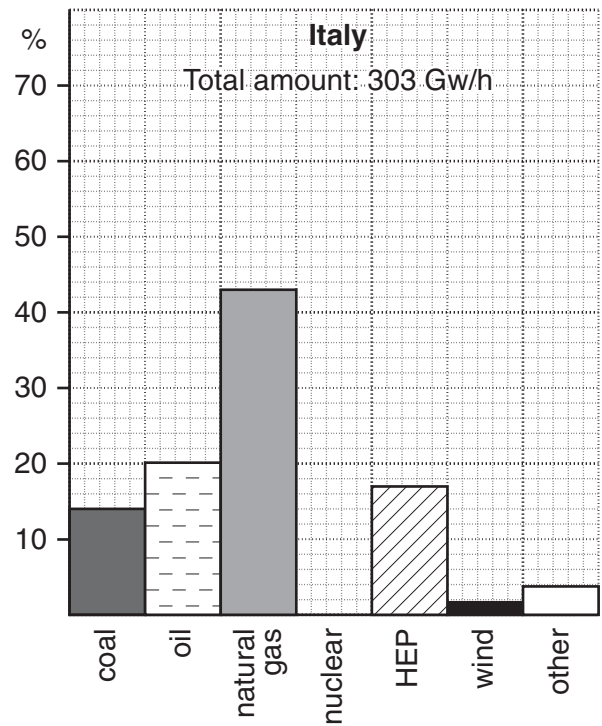
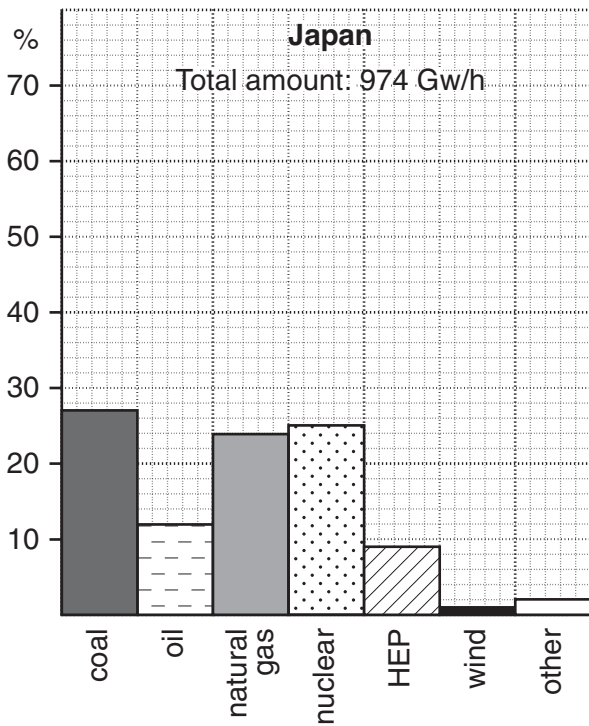
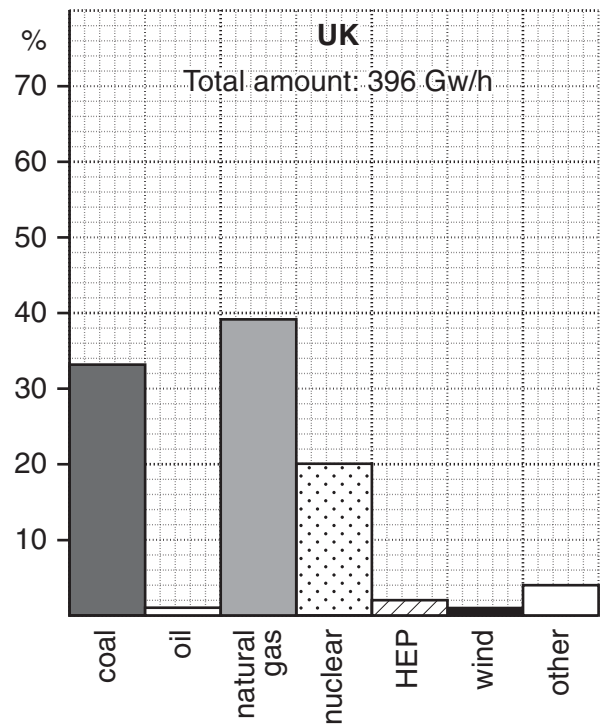
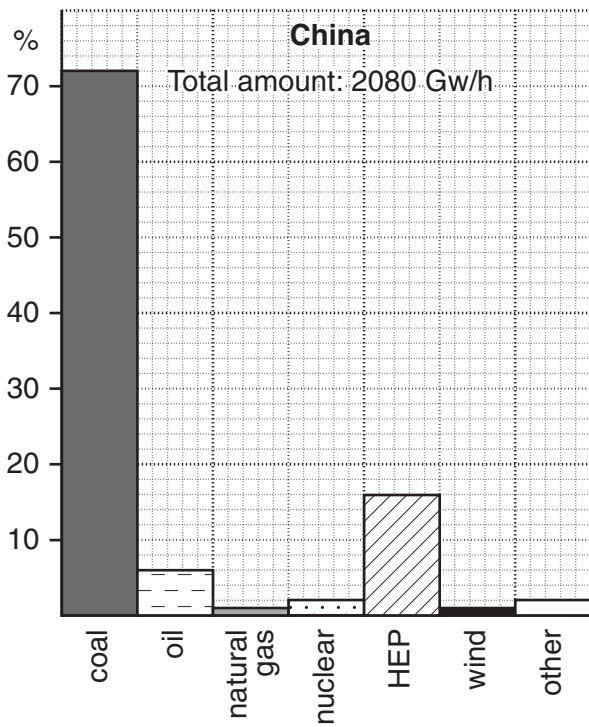


Fig. 7

(a) Using the examples on Fig. 7, identify **one** fossil fuel and **one** renewable energy source.

Fossil fuel

Renewable energy source [2]

(b) Fig. 7 shows that the governments of the four countries use very different percentages of sources of power. Suggest why governments have made these different choices.

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..... [2]

(c) Explain **two** changes in these percentages that might be suggested by an environmental pressure group.

1

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.....

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2

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.....

..... [4]

[Total: 8 marks]

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