



Cambridge International Examinations
Cambridge Ordinary Level

GEOGRAPHY

2230/01

Paper 1 Themes

October/November 2018

(FOR CENTRES IN BRUNEI)

1 hour 45 minutes

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

An answer booklet is provided inside this question paper. You should follow the instructions on the front cover of the answer booklet. If you need additional answer paper ask the invigilator for a continuation booklet.

Answer **three** questions, each from a different theme.

The Insert contains Fig. 1.2 for Question 1, Fig. 2.1 for Question 2, Fig. 3.2 for Question 3, Fig. 5.2 for Question 5 and Fig. 6.2 for Question 6.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **9** printed pages, **3** blank pages and **2** Inserts.



Theme A: The natural world

Answer **one** question from this theme, **either** Question 1 **or** Question 2.

- 1 (a) Name the equipment used for measuring earthquake magnitude. [1]
- (b) Study Fig. 1.1, which is a block diagram of an earthquake zone.

Block diagram of an earthquake zone

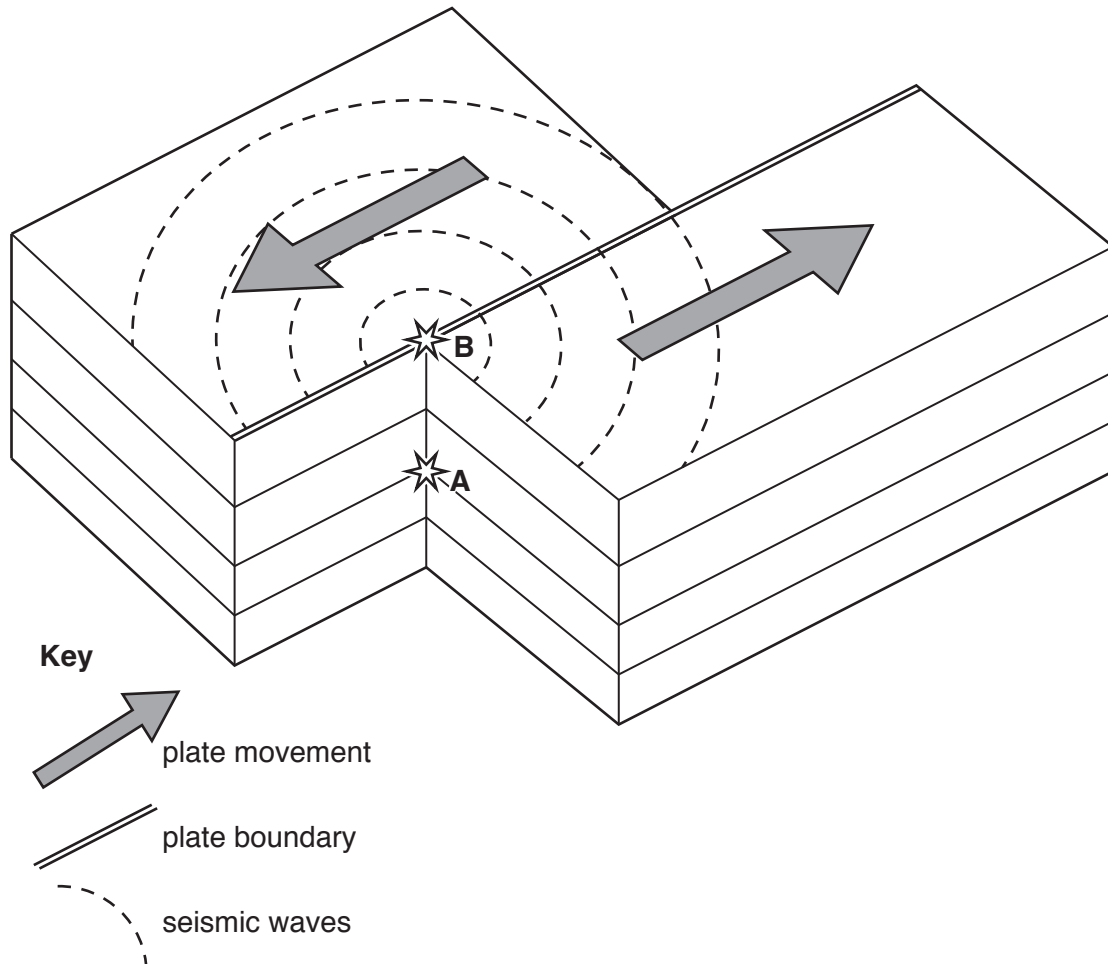


Fig. 1.1

- (i) Identify the type of plate boundary **and** points **A** and **B** shown in Fig. 1.1. [3]
- (ii) Explain how severe earthquakes are caused in the area shown in Fig. 1.1. [5]
- (c) Study Fig. 1.2 (Insert), which shows a sketch of an area recently affected by an earthquake.
- (i) Describe and explain the damage shown in Fig. 1.2. [4]
- (ii) Explain how building methods can reduce the impact of earthquakes in built environments. [5]
- (d) Describe how tsunamis are formed. Explain how education and drills can reduce the number of deaths in areas where earthquakes and tsunamis occur. Give examples to support your answer. [7]

[Total: 25]

- 2 (a) Name and describe **two** processes of coastal erosion. [4]
- (b) Study Fig. 2.1 (Insert), a photograph which shows part of a coastline, and Fig. 2.2, a sketch map of the same coastline.

Part of a coastline

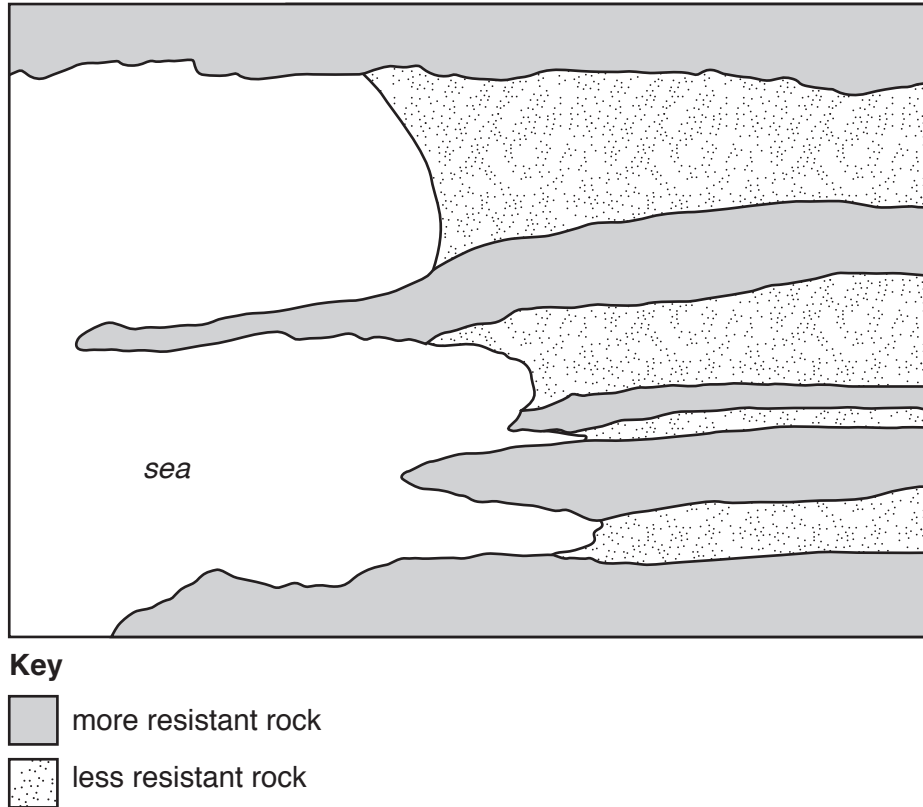


Fig. 2.2

Using Fig. 2.1 and Fig. 2.2:

- (i) apart from the sea cliffs, name **four** physical features of this coastline; [4]
 - (ii) explain how sea cliffs form; [5]
 - (iii) explain why some sea cliffs are steeper than others; [3]
 - (iv) suggest why this coastline has an irregular shape. [2]
- (c) Explain the causes of coastal flooding. Give examples to support your answer. [7]

[Total: 25]

Theme B: People, food and settlement

Answer **one** question from this theme, **either** Question 3 **or** Question 4.

3 Study Fig. 3.1, which shows the climate of a rice growing area.

The climate of a rice growing area

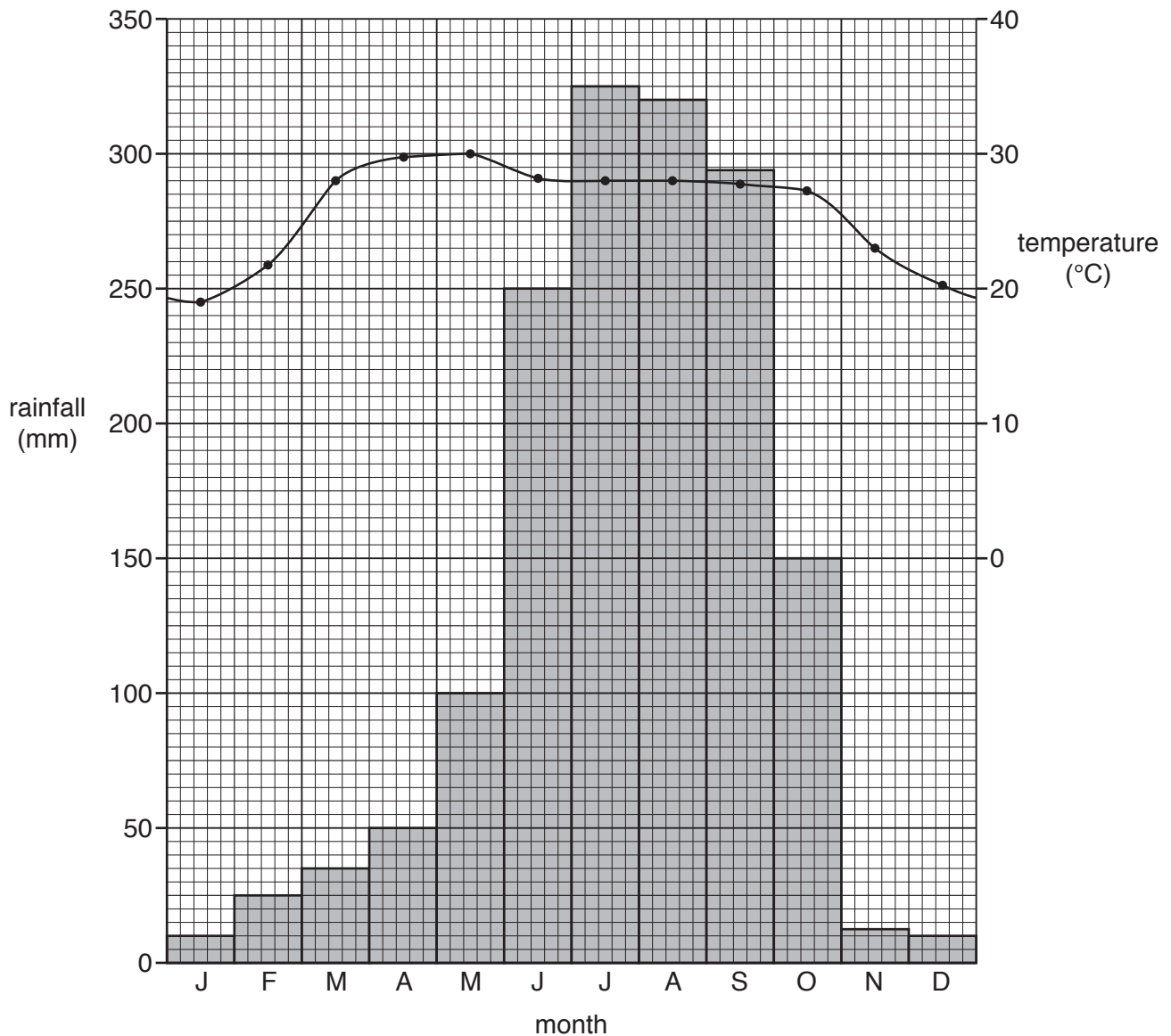


Fig. 3.1

- (a) Describe the features of the climate which will encourage the cultivation of rice. [2]
- (b) Define *subsistence farming*. [1]
- (c) Study Fig. 3.2 (Insert), a photograph which shows a rice growing area.
- (i) Explain why the area shown in Fig. 3.2 is good for rice farming. [6]
- (ii) Give a reason why the farming activity shown is an example of subsistence farming. [1]

(d) Study Table 3.1, which gives information about rice growing in three countries.

Rice growing area, yield and production for three countries: 2016

country	area (thousands ha)	yield (tonnes/ha)	production (thousand tonnes)
Thailand	9550	2.70	25 758
Vietnam	7690	5.78	44 480
Philippines	4750	4.01	19 048

Table 3.1

Using information from **Table 3.1 only**:

- (i) explain why the Philippines has the lowest rice production; [1]
- (ii) explain why Vietnam has the highest rice production. [1]
- (e) Explain how farmers can increase the output from their farms. [6]
- (f) Describe the fishing industry in Brunei and explain its importance to the country. [7]

[Total: 25]

- 4 (a) Study Fig. 4.1, which shows death rates and public health spending per person for selected countries in 2010.

Death rates and public health spending per person: selected countries, 2010

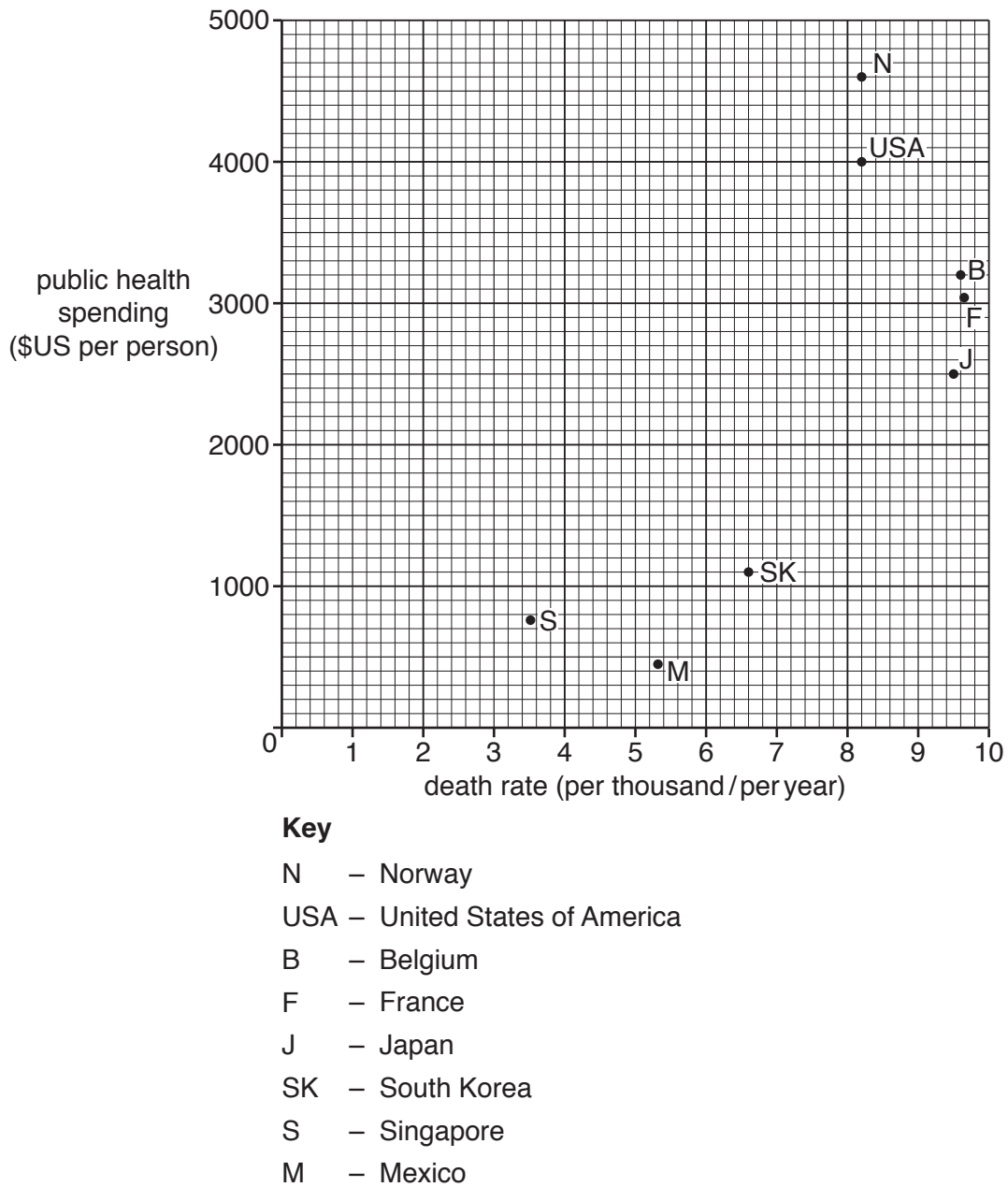


Fig. 4.1

- (i) State the death rate for Japan **and** the public health spending for Mexico. [2]
- (ii) Does Fig. 4.1 show that, in general, the lower the death rate the higher the amount of public health spending? Use graph information to support your answer. [3]
- (b) Explain why the death rate in many countries is decreasing. [5]

- (c) Study Fig. 4.2, which shows changes in birth rate, death rate and natural increase over time.

Birth rate, death rate and natural increase over time

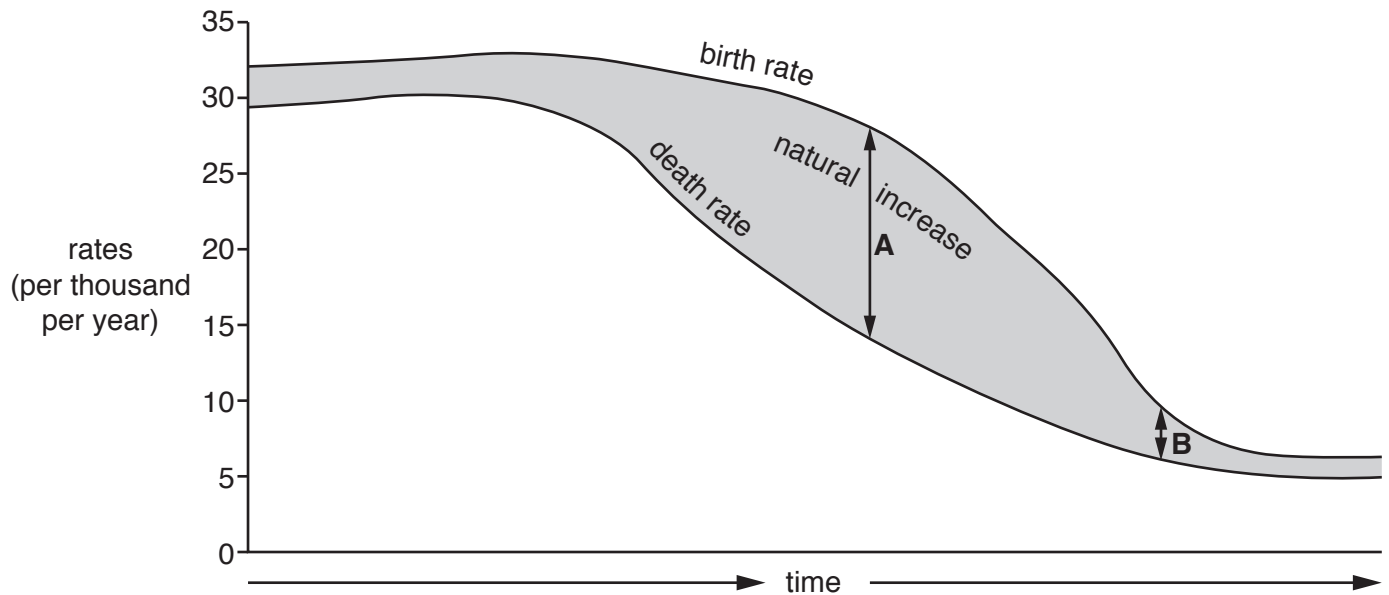


Fig. 4.2

Using only Fig. 4.2, explain how and why the rate of natural increase changes from point **A** to point **B**. [3]

- (d) Countries which have a high natural increase may become overpopulated. Define *overpopulation* and describe how it affects people. [5]
- (e) 'Improvement in education has been the main cause of falling birth rates.' How far do you agree with this statement? Give examples to support your answer. [7]

[Total: 25]

Theme C: Industry, energy and tourism

Answer **one** question from this theme, **either** Question 5 **or** Question 6.

- 5 (a) Is tourism classed as primary, secondary or tertiary industry? [1]
- (b) Study Fig. 5.1, which shows the number of tourists visiting Australia from Japan and the UK from 2000 to 2014.

Tourists visiting Australia from Japan and the UK: 2000–2014

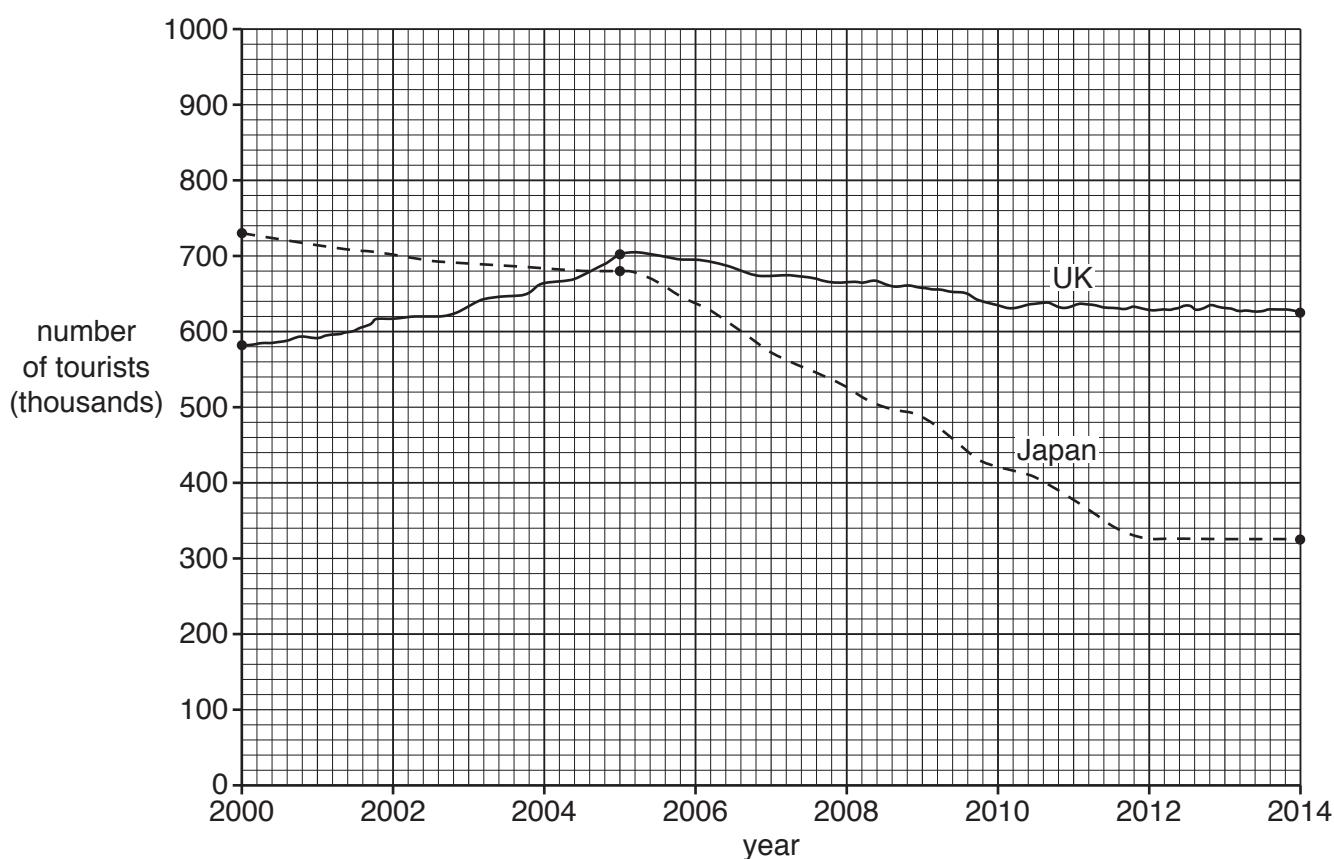


Fig. 5.1

Compare the changing trends and numbers in the visitors to Australia from Japan and the UK.

[4]

- (c) Describe the advantages of tourism to the economy of the country visited. [4]
- (d) Study Fig. 5.2 (Insert), a photograph which shows a tourist resort in the UK.
- (i) Describe the tourist attractions shown in Fig. 5.2. [4]
- (ii) Describe the problems the tourist industry may cause in a place like that shown in Fig. 5.2. [5]
- (e) Describe the cultural and natural attractions of Brunei for tourism. [7]

[Total: 25]

- 6 (a) Study Fig. 6.1, which shows sources of generating electricity for four countries in 2014.

Sources of generating electricity for four countries, 2014

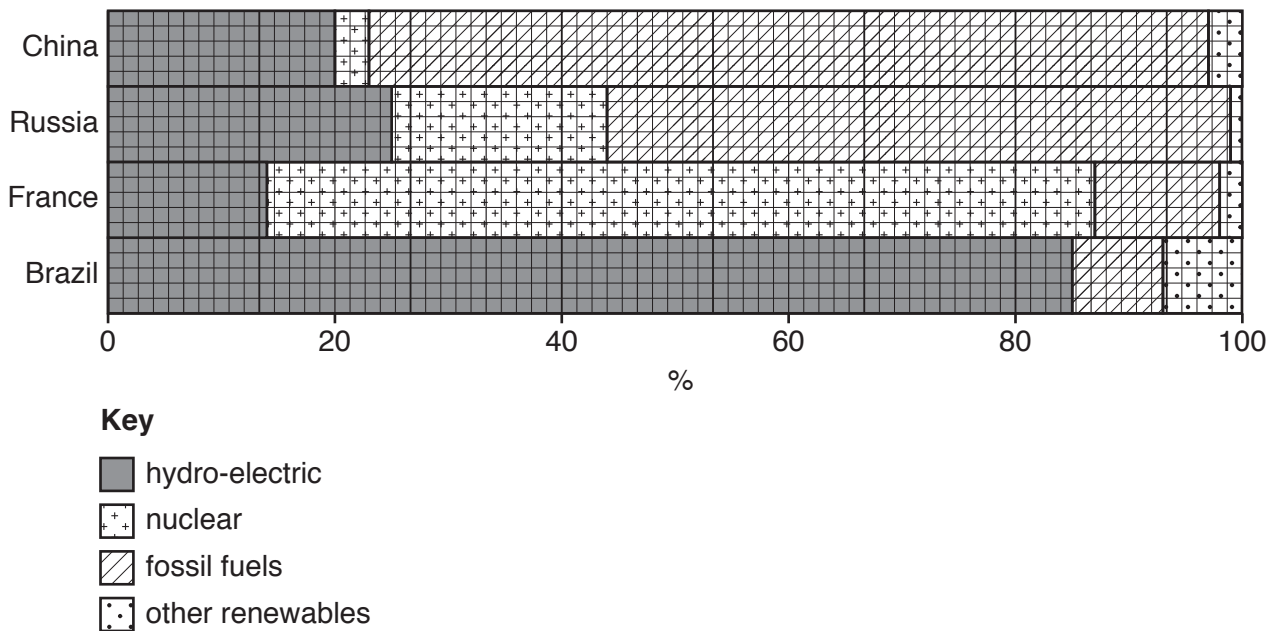


Fig. 6.1

- (i) State the main source of generating electricity for China and for France. [2]
- (ii) Describe the various problems which result from using large amounts of fossil fuels. [4]
- (b) Study Fig. 6.2 (Insert), a photograph which shows a nuclear power station.
- (i) Describe the features of the nuclear power station shown in Fig. 6.2. [3]
- (ii) Explain the benefits of this location for a nuclear power station. [3]
- (c) Describe the disadvantages of using nuclear power to generate electricity. [5]
- (d) (i) Define the term *carbon footprint*. [1]
- (ii) Describe the various methods of reducing the carbon footprints of countries and people. Give examples to support your answer. [7]

[Total: 25]

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