

[Turn over

The elaborate Christmas display at this corner of Bedok has become an annual tradition, since 2011. Besides a catered buffet, there was an assortment of homemade food contributed by residents. Children could be seen running around in the snow foam or swimming in the pool, while another group of partygoers started their own barbecue. For the past decade, a group of volunteers has put up do-it-yourself decorations for different festivals such as Christmas, Chinese New Year, Deepavali and Hari Raya Puasa.

Fig. 1.2

With the help of Fig. 1.1 and 1.2, describe how the activity carried out at the estate can help residents acquire a sense of place in their neighbourhood.

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- (d)** Some students were doing fieldwork in their local town centre. They wanted to find out how the main shopping street had changed and what people who came to shop in the town centre thought about shopping there. They tested the following hypotheses:

Hypothesis: Shops and services on the main shopping street have changed between 1981 and 2012.

To compare the shops and services in 1981 and 2012 the students produced a table (Fig. 1.3) below.

Number of shops, services and other buildings located on the main shopping street

Category	1981	2012
Shops		
Clothes and shoes	8	5
Food	20	13
Specialist non-food (including bookshop, wool shop, chemist, mobile or cell phones, gift shop)	29	26
Other shops	3	4
Services		
Finance (including banks)	9	7
Entertainment (including restaurant, café, bar)	5	9
Other services (including doctor's surgery, estate agent, optician, shoe repairs, solicitor)	17	17
Office	2	1
Other buildings		
Empty (vacant) building	4	9
House (residential)	12	14
Total	109	105

Fig. 1.3

The students used the table (Fig. 1.3) to draw the graph, Fig. 1.4, below.

- (i) Complete the graph on Fig. 1.4 to show the changes in the number of food shops and entertainment services. [2]

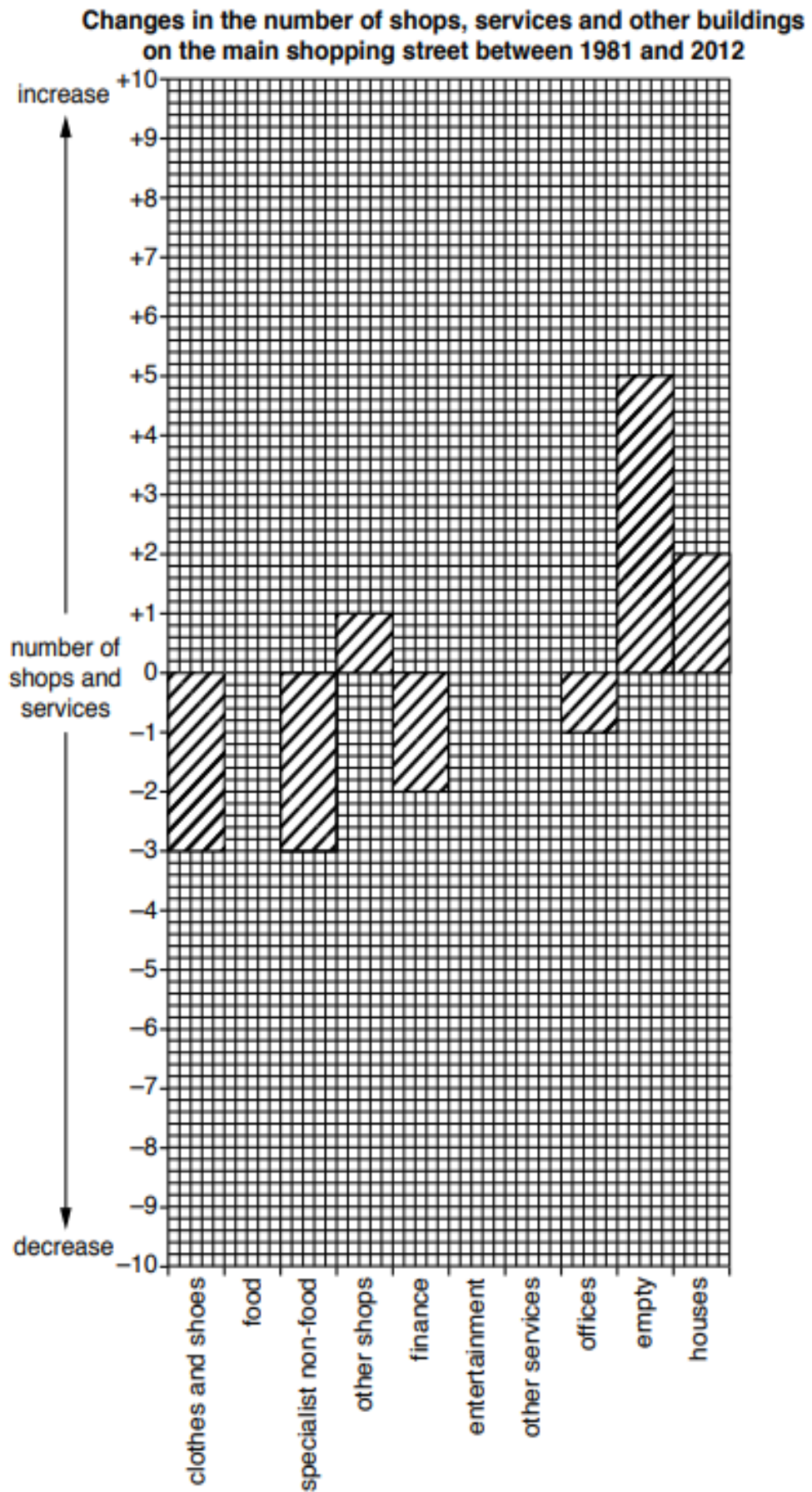


Fig. 1.4

Evaluate the validity of the data collection method and suggest improvements.

2. Cluster 2 : Tourism

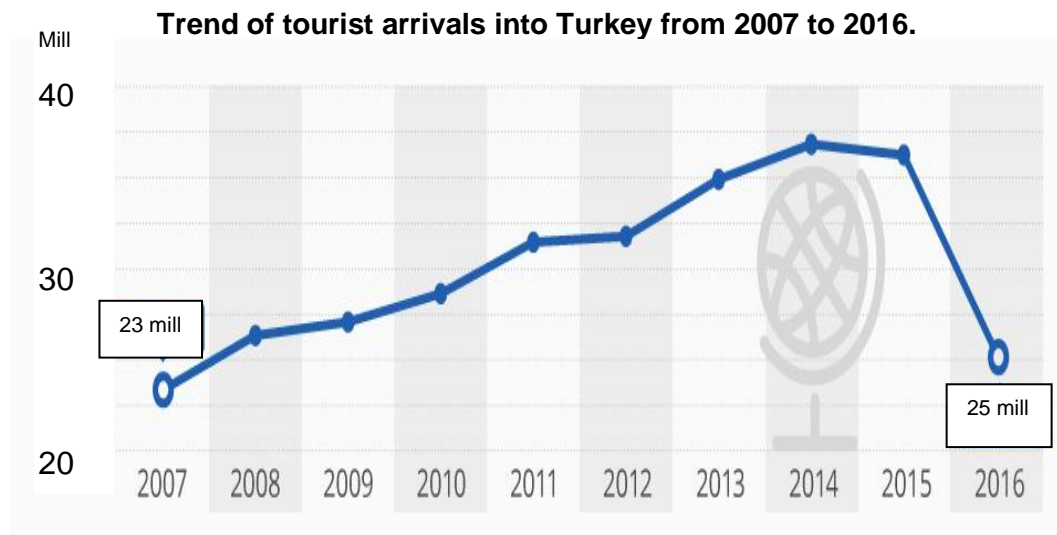


Fig. 2.1

Use Fig. 2.1 to describe the trend of tourist arrivals into Turkey between 2007 to 2016.

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(b) Fig. 2.2 shows the major regional destinations of Singapore tourists in 2017.

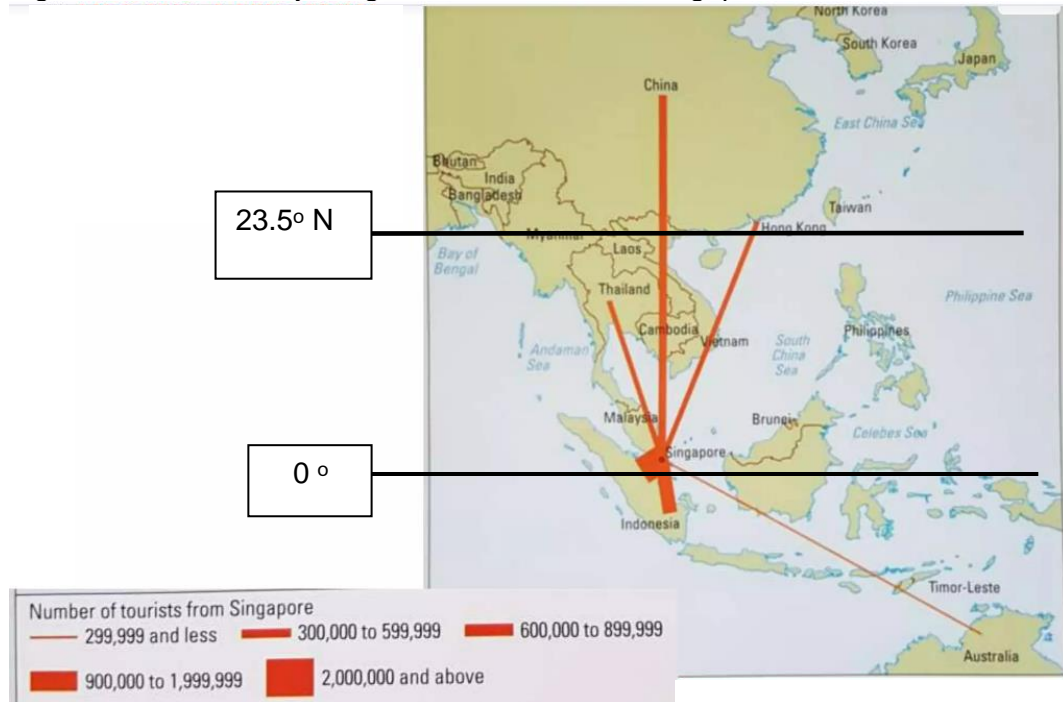


Fig. 2.2

(i) Use Fig. 2.2 to describe the pattern of Singapore tourists' destinations.

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(ii) Explain the pattern of regional travel shown in Fig. 2.2

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(c) 'Compared to locals and businesses, tourists are the most effective in promoting sustainable tourism development.'

To what extent do you agree with this statement? Explain your answer with the support of relevant examples.

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Section B (18 marks)

Answer Question 3

3. Cluster 4 : Tectonics

- (a)** Study Fig. 3.1 which shows earth's tectonic plates and their boundaries.

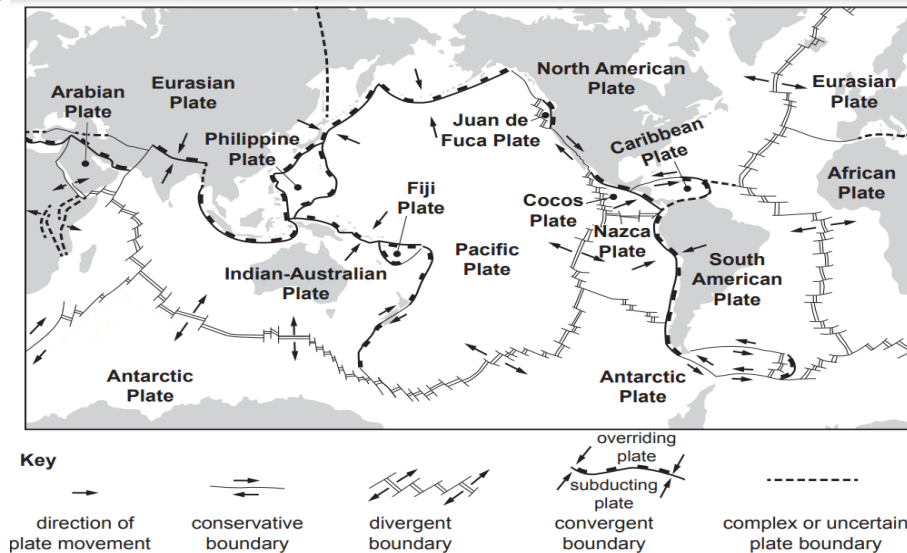


Fig. 3.1

With reference to Fig. 3.1, describe the global distribution of divergent plate boundaries shown.

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- (b)** Compare the characteristics of a viscous magma with a less viscous magma.

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- (c) Fig. 3.2 is a comparative graph which shows foreign tourists hotel stay in Iceland in 2009 and 2010 (January to August) and Fig. 3.3 is a map which shows ash generation and distribution from the April-May 2010 eruption of Eyjafjallajökull, Iceland.

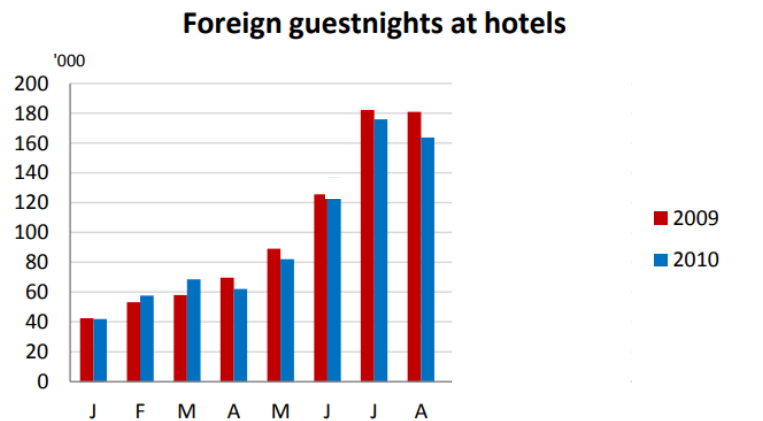


Fig. 3.2

Ash generation and distribution from the April-May 2010 eruption of Eyjafjallajökull, Iceland

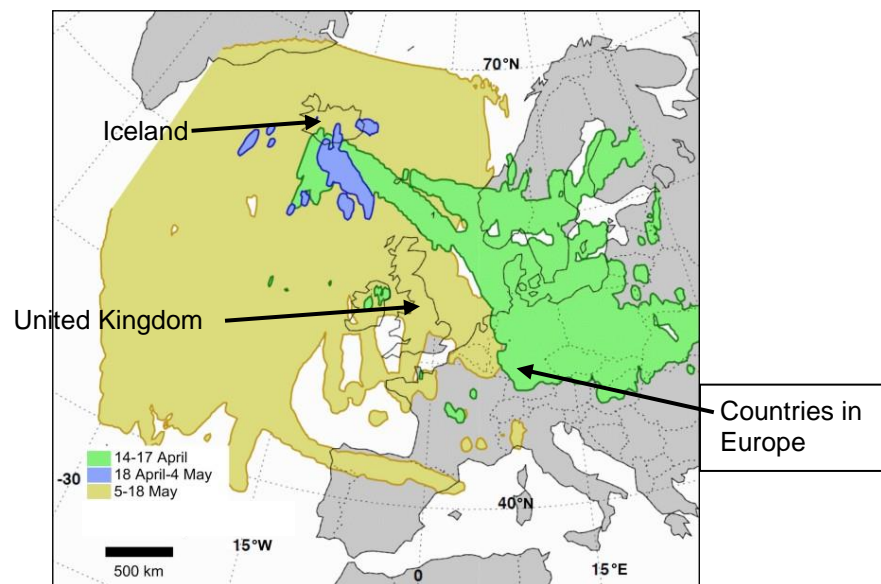


Fig. 3.3

(d) Fig 3.4 is a diagram showing how tsunamis occur.

The diagram illustrates the generation of tsunamis by seismic activity. It shows a cross-section of the ocean and the seabed. A fault line is depicted on the seabed, with seismic activity (concentric circles) and the direction of movement (red arrows) indicated. The resulting waves are shown as 'Long Low Waves' and 'Steep High Waves' moving across the ocean surface. Labels include 'Seismic activity', 'wavelength', 'Long Low Waves', 'Steep High Waves', 'seabed', and 'Direction of movement'.

Fig. 3.4

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- (e) With reference to specific examples, evaluate the effectiveness of one disaster management strategy.

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