

Centre Number								Candidate Number					
Surname													
Other Names													
Candidate Signature													



General Certificate of Secondary Education
Foundation Tier
Specimen Paper

Geography (Specification B)

40352F

F

Unit 2: Hostile World

Date: Time

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	11
2	17
3	14
4	9
5	14
6	10
TOTAL	42/33

42

33

For this paper you must have:

- the insert (enclosed)
- a ruler

You may use a calculator.

Time allowed

- 1 Hours

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **either** Section A **or** Section B.
- You must answer the questions in the spaces provided. Answers written in margins or on blank pages will not be marked.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 50.
- The marks for questions are shown in brackets.
- You will be marked on your ability to:
 - use an appropriate form and style of writing
 - organise relevant information clearly and coherently
 - use specialist vocabulary where appropriate.

40352F

SECTION A – LIVING WITH NATURAL HAZARDS

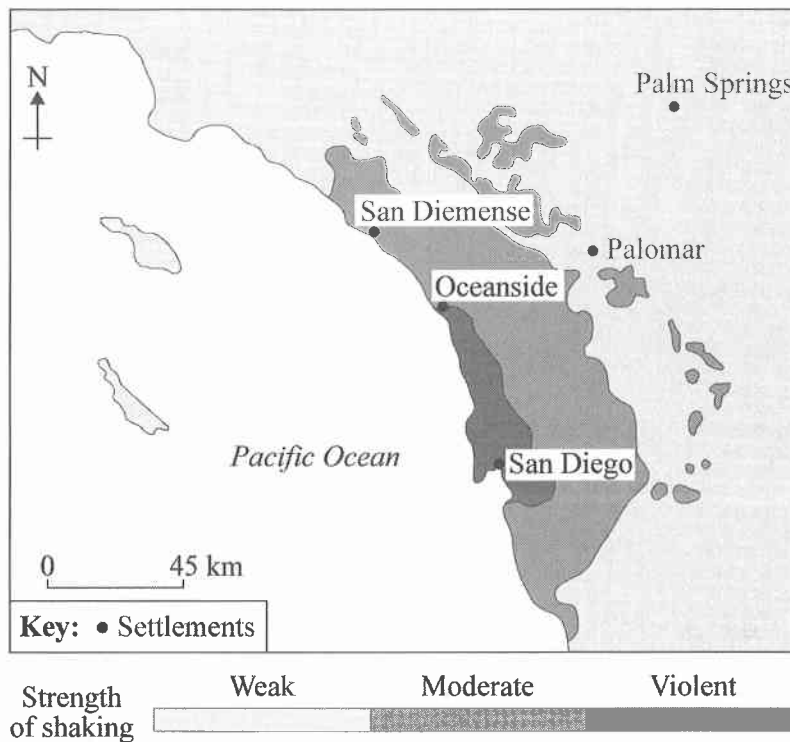
Answer **either** Section A **or** Section B.

1 Tectonic Hazards

Total for this question: 16 marks

- 1 (a) Study
- Figure 1**
- which gives information about an earthquake in California, USA.

Figure 1



- 1 (a) (i) What was the strength of shaking in San Diego?

Violent ✓

(1 mark)

- 1 (a) (ii) Suggest why there was little earthquake damage in Palm Springs.

Because it was not close to the
centre of the earthquake. ✓ A

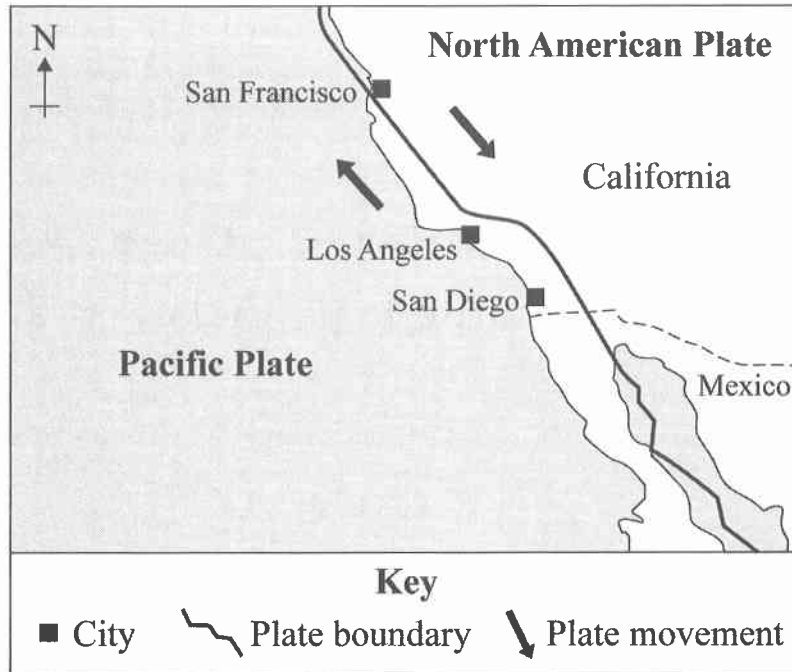
(1 mark)



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1 (b) Study **Figure 2**, a map of plate boundaries in North America.

Figure 2



Which **one** of the following statements is a cause of the earthquake in California?
Tick the correct box.

	Cause
The Pacific Plate and the North American Plate are moving apart.	<input type="checkbox"/>
The Pacific Plate is sliding past the North American Plate.	<input type="checkbox"/>
The Pacific Plate is being pushed below the North American Plate.	<input checked="" type="checkbox"/>

(1 mark)



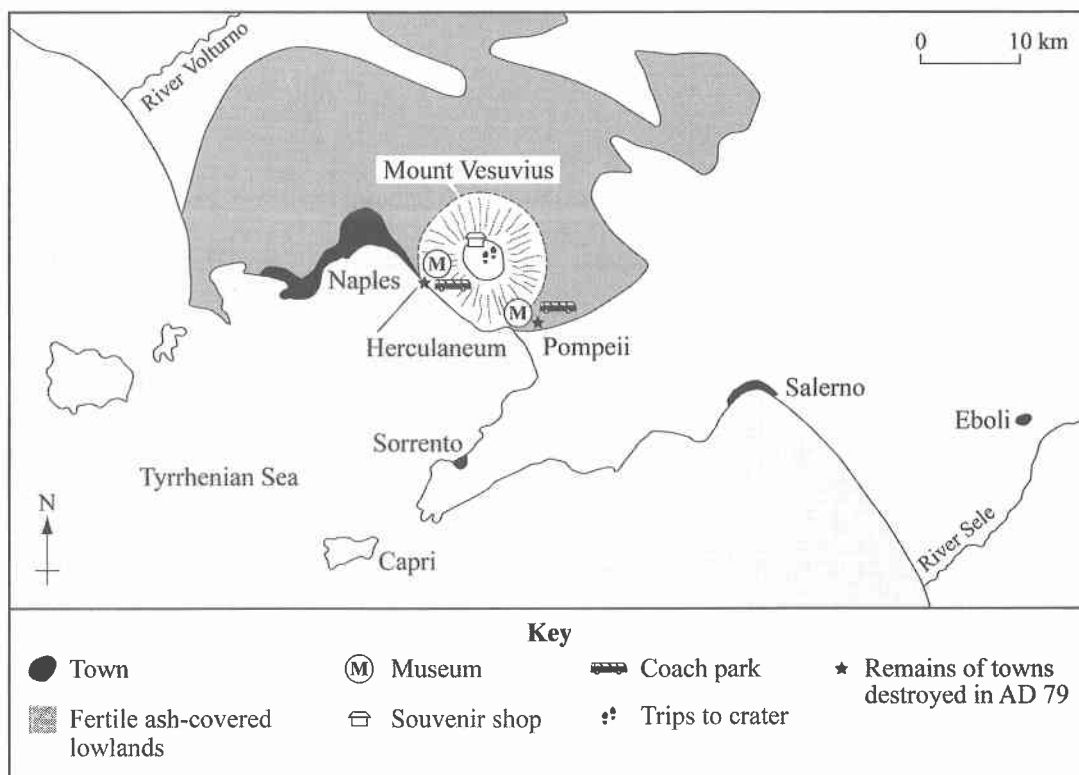
- 1 (c) Give **three** reasons why volcanoes are a hazard to people.

1 ... People can get burned. } ✓
 2 ... People can get injured. }
 3 ... Ash can fall on the fields and they will not be able to grow their food. ✓

(3 marks)

- 1 (d) Study **Figure 3** which shows the area around Mount Vesuvius, a volcano in Italy.

Figure 3



- 1 (d) (i) Name **one** of the towns that was destroyed by the eruption in AD79.

Pompeii ✓

(1 mark)



- 1 (d) (ii) Despite the risks, people continue to live close to Mount Vesuvius. With the help of **Figure 3**, suggest **three** reasons why.

1 They can get money from tourists. ✓

2 The volcano makes the soil fertile so it is good for growing things. ✓

3 They can use the coach park. ✓
R

(3 marks)

Question 1 continues on the next page



- 1 (e) Describe ways in which the damaging effects of **either** an earthquake **or** a volcanic eruption may be reduced.

Chosen hazard ... Earthquake

(They can make buildings stronger) (They can put
 R → good plans in place to deal with the earthquake)
 and (they can practice what to do in schools) 4
 (They can make maps to show where the earthquake
 will be bad.) 4 (They build bendy buildings on
 springs) 4 and (they put plastic windows in
 buildings) 4 (They build bridges for roads
 which have steel in them to make them
 stronger) 4 (They tell people what to do
 and where to go in an earthquake) 4

(6 marks)

(Extra space)

4

4

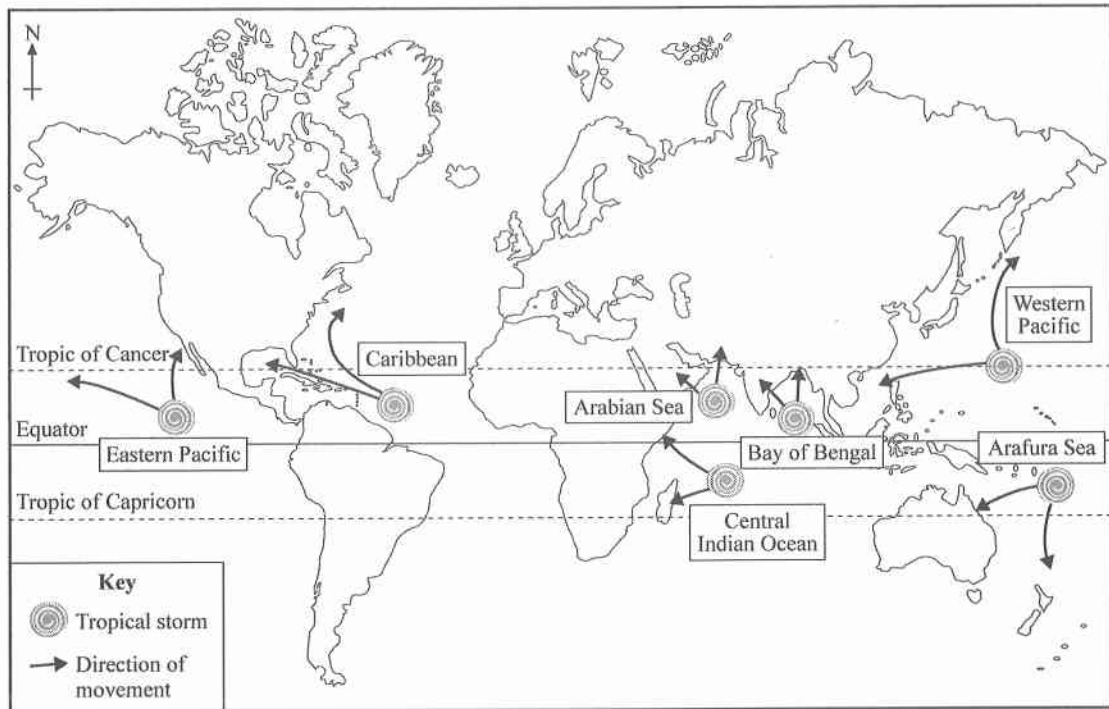
11
16



Barcode

2 Tropical Storms**Total for this question: 20 marks**

- 2 (a) Study
- Figure 4**
- which shows the world distribution of tropical storms.

Figure 4

Complete the sentences below. Circle the correct answer in each set of brackets.

- 2 (a) (i) Tropical storms occur over warm

[countries / continents / oceans] ✓

(1 mark)

- 2 (a) (ii) Tropical storms are found between the Tropics of Cancer and the

[Equator / Tropic of Capricorn / Bay of Bengal] ✓

(1 mark)

Question 2 continues on the next page

2 (b) Study **Figure 5** on the insert, which shows the path taken by a tropical storm (Hurricane Ivan) in September 2004.

2 (b) (i) Complete the paragraph below which describes the path of Hurricane Ivan.

Choose the **two** correct answers from the list below.

- | | | |
|-----------------|-----------------|------------------|
| east | west | north |
| 2 nd | 8 th | 14 th |

Hurricane Ivan developed over the Atlantic Ocean. It travelled

... east before striking the northern tip of South America and

the islands of the Caribbean. It reached its maximum strength on

..... 14th ✓ September.

(2 marks)

2 (b) (ii) Suggest why the tropical storm (Hurricane Ivan) decreased in strength after September 15th.

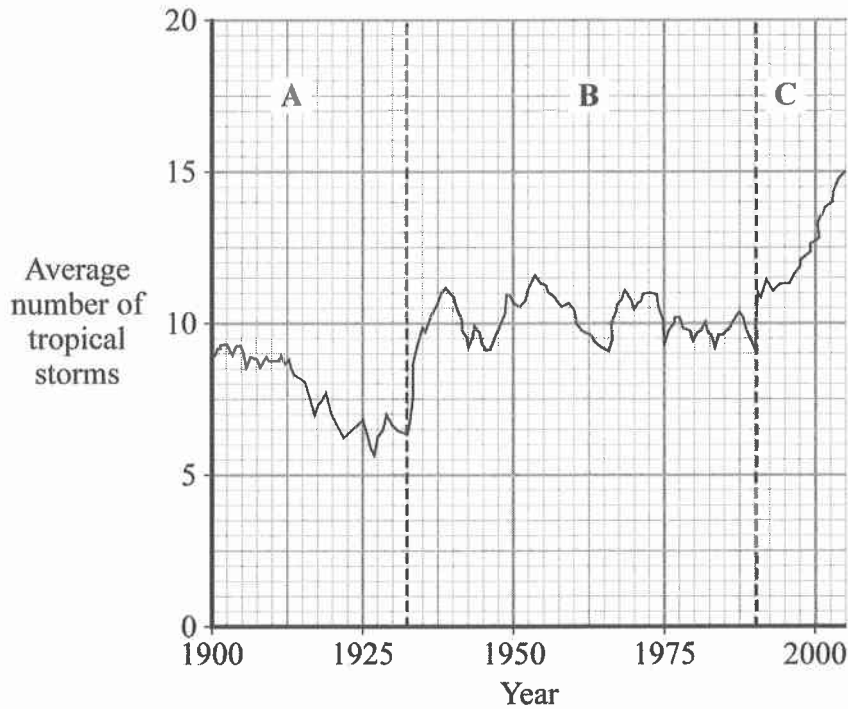
(Because it hit the land ✓)

(2 marks)



- 2 (c) Study **Figure 6**, which shows the average number of tropical storms in the Atlantic Ocean between 1900 and 2005.

Figure 6



- 2 (c) (i) Which section of the graph (A, B or C) does **each** of the following statements describe?

Statement	Letter
A period when there were an average of fewer than 10 tropical storms each year.	A
A period when there was an average of more than 10 tropical storms each year.	C

✓
✓

2

(2 marks)

- 2 (c) (ii) What happened to the number of tropical storms in the Atlantic between 1990 and 2005?

It went upwards. ✓

1

(1 mark)



Barcode

- 2 (c) (iii) Suggest **one** reason for your answer to (c)(ii) above.

(Because the world is getting hotter) and this makes more storms happen

(2 marks)

- 2 (d) Study **Figure 7**, which shows information on the USA and Myanmar (Burma).

Figure 7

Indicator	Myanmar	USA
Birth rate (per 1000)	17	14
Death rate (per 1000)	9	8
GDP (per person)	US\$ 1 900	US\$ 46 000
Life expectancy (years)	62	78
Literacy rate (per cent)	90	99
Employment structure (per cent)	Primary 54 Secondary 10 Tertiary 36	Primary 2 Secondary 20 Tertiary 78
Internet users (per cent)	0.6	68
Mobile phone users	0.4	77

With the help of **Figure 7**, explain why the effects of a tropical storm vary among countries of different levels of economic development.

(Myanmar is obviously a poor country and USA is a rich country. This means that USA can afford more things to help with the storm.) (They can get ambulances to help injured people and can afford medicine.) (They have more mobile phones so they can call the ambulance and fire engine.) (They have the internet so they can find out if a tropical storm is coming their way.) L2 just

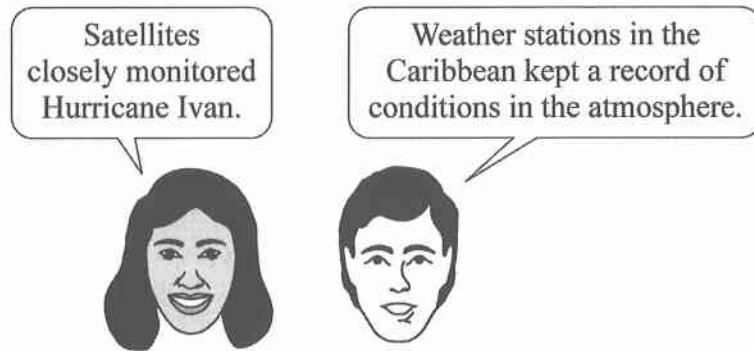
(5 marks)



Barcode

- 2 (e) Study **Figure 8**, two comments about 'hurricane watch'.

Figure 8



With the help of **Figure 8** and **Figure 5** on the insert, suggest **two** ways in which modern technology helped the USA prepare for the tropical storm (Hurricane Ivan).

- 1 (Because they have satellites they can find out if a storm is coming) and (they can board up the houses.) ✓
- 2 They have developed very strong buildings with their technology. (they are now able to build houses on steel legs) which the storm waves will wash underneath and not knock the house down.) ✓ (4 marks)

4

17
20

Turn over for the next question

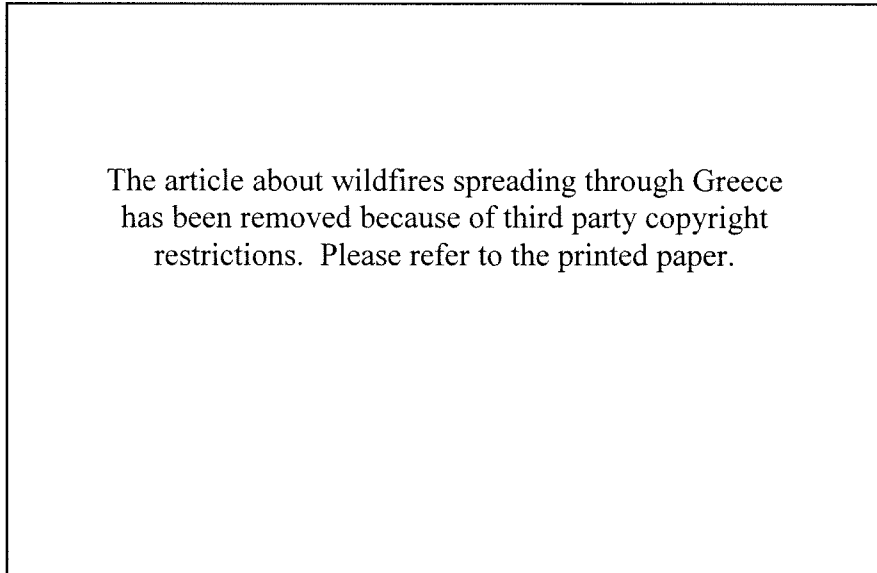
3 Wildfires

Total for this question: 14 marks



- 3 (a) Study **Figure 9**, a newspaper article about a wildfire in Greece.

Figure 9



- 3 (a) (i) From **Figure 9**, give **two** effects of the wildfire.

1 Killed 51 people ✓

2 Houses were destroyed ✓

(2 marks)

2

- 3 (a) (ii) From **Figure 9**, give **two** ways in which local people and the authorities responded to the wildfire.

1 (People fled in panic from Villages) ✓
as their houses were destroyed.

2 The (government has declared a state of emergency.) ✓

(2 marks)

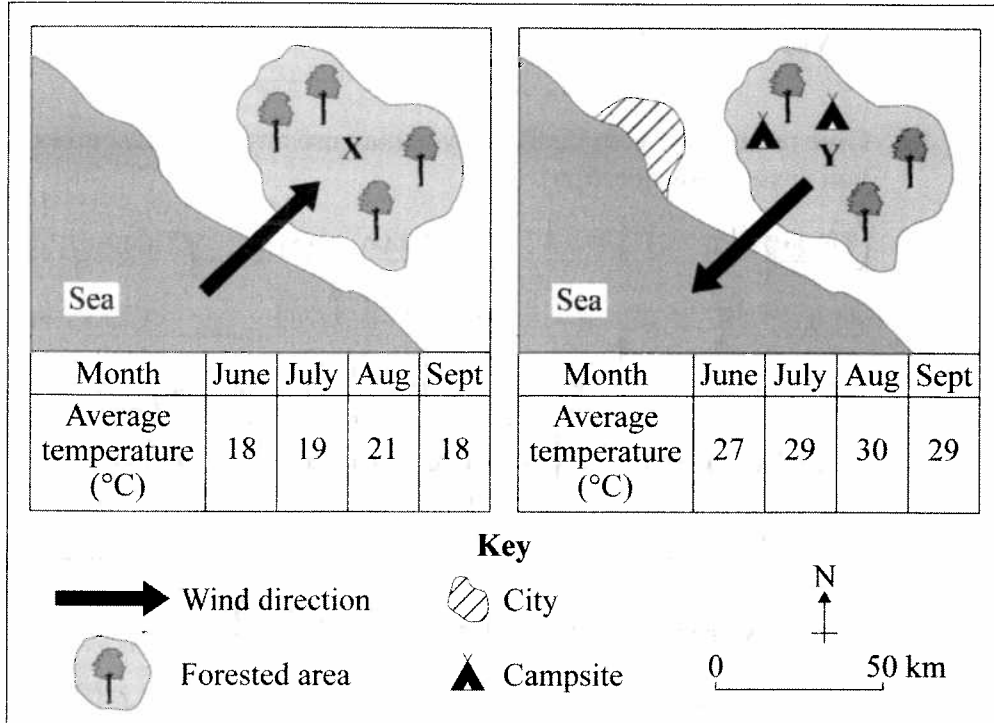
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Barcode

- 3 (b) Study **Figure 10**, which shows two forested areas and information about summer temperatures in each.

Figure 10

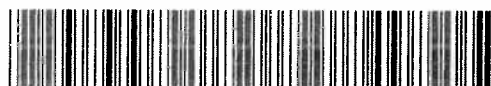


- 3 (b) (i) Which of the forested areas (X or Y) is most at risk from wildfires?

..... Y ✓

(1 mark)

Question 3 continues on the next page



- 3 (b) (ii) Unlike earthquakes, volcanoes and tropical storms, wildfires are mainly caused by the actions of people.

Do you agree with this statement? Tick the box of your choice.

Yes

No

Give reasons for your decision (you may use any of the resources to help you answer this question).

(People start them on purpose^{L1})
and (people can't start a volcano
or an earthquake.) They are just
natural. (People throw cigarette
ends on the floor and they catch
fire and burn the grass^{L1}) People have
campfires when they are camping
and they don't put them out or pour
water on them and they set fire to
everything^{L2}) (Sometimes it is
things like lightning that start
the fire. This is not caused by people^{L1})
(Or the fires are caused when the
weather has been dry (no rain).

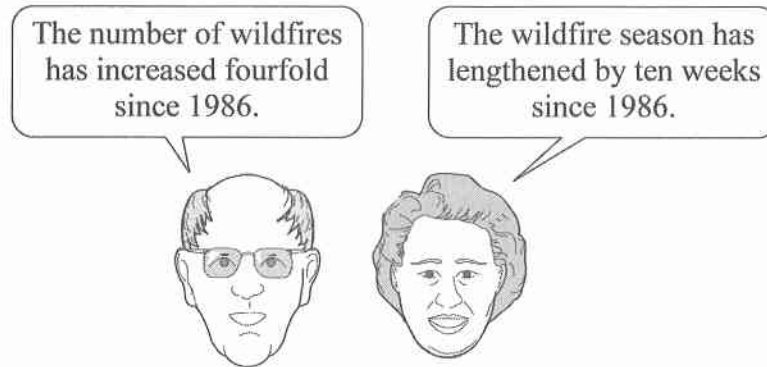
(Extra space) This makes the fire spread^(7 marks)
very quickly if it is accidentally
started by people^{L2}.

L2



- 3 (c) Study **Figure 11**, comments made by two scientists about western USA.

Figure 11



Suggest **two** reasons for the changes shown in **Figure 11**.

1 The earth is getting warmer. ✓ A

2 It is drier now than it used to be. ✓

(2 marks)

2

14
14

END OF SECTION A



Barcode

SECTION B – THE CHALLENGE OF EXTREME ENVIRONMENTSAnswer **either** Section A **or** Section B.**4 The Hot Desert Environment****Total for this question: 16 marks**4 (a) Study **Figure 12**, on the insert, a map of climate in different parts of the world.4 (a) (i) Which **one** of the following statements is **True**? Tick the correct box.

All hot desert regions are in the northern hemisphere.

True

All hot desert regions are between the Tropics.

No hot desert regions lie on the equator.

(1 mark)

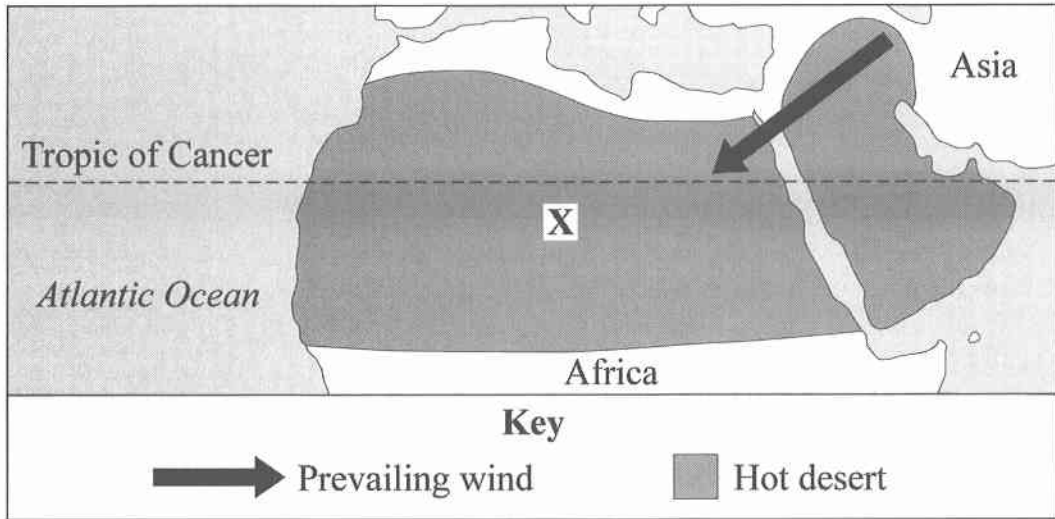
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Barcode

4 (a) (ii) Study **Figure 13**, a map of a hot desert area.

Figure 13



Which **one** of the following statements is a reason why the area shown as **X** is a hot desert? Tick the correct box.

The winds carry moisture from the Atlantic Ocean.

Cause

Dry winds from Asia bring no moisture.

Dry winds from Southern Africa bring no moisture.

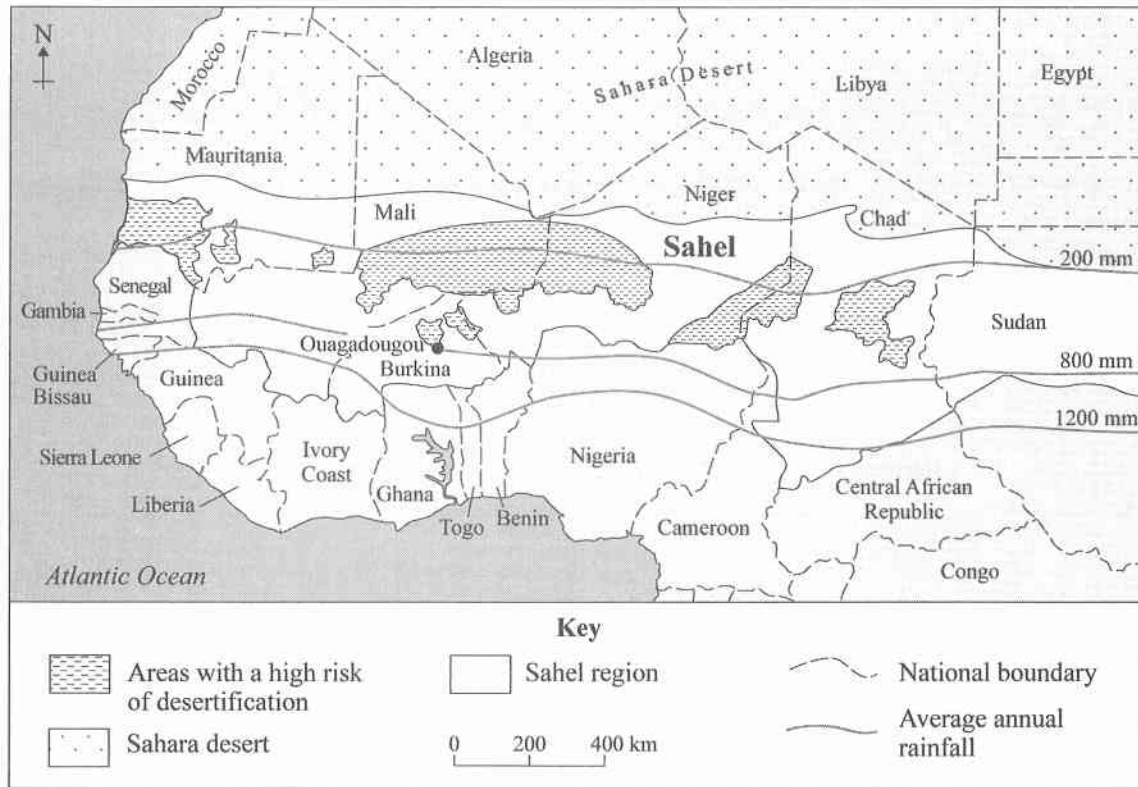
(1 mark)

Question 4 continues on the next page



4 (b) Study **Figure 14**, a map of the Sahel region of Africa.

Figure 14



4 (b) (i) Name **one** country in the Sahel region of Africa in which the risk of desertification is very high.

Ouagadougou

(1 mark)

4 (b) (ii) Using evidence from **Figure 14**, suggest why the risk of desertification increases as you go north from Ouagadougou.

(There is less rain) and there are more countries.

(2 marks)



- 4 (b) (iii) Give **two** effects that global climate change may have on an area such as the Sahel.

(It will get a lot hotter) and (there won't be as much rain) and ^{max} all the plants will die.

2.

(2 marks)

- 4 (c) Give **three** reasons why too many people living in an area such as the Sahel can lead to desertification.

1 They eat all the food. → R.

2 (They cut down lots of trees so they can work their food.) ✓

2.

3 (They keep too many cows which eat all the grass.) ✓

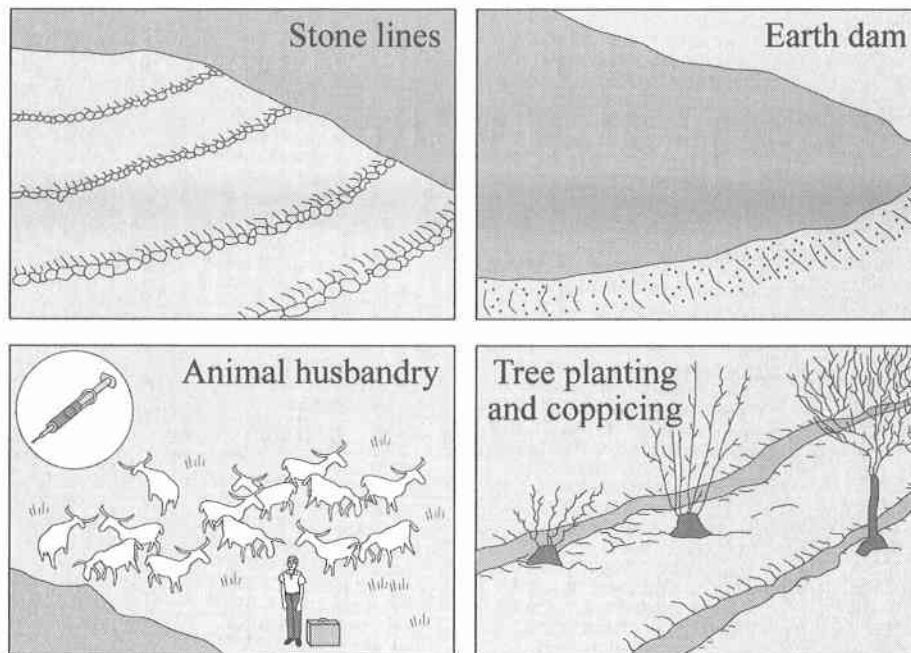
(3 marks)

Question 4 continues on the next page



- 4 (d) Study **Figure 15**, some methods used to reduce desertification.

Figure 15



- 4 (d) (i) With the help of **Figure 15**, suggest how the problem of desertification may be reduced.

(The stones trap the rain). The dam stops the water. (The trees they have planted soak up all the rain) and (the animals will stay alive because they have injections) →

(4 marks)

2 -



- 4 (d) (ii) Suggest why **one** of the methods shown in **Figure 15**, would be suitable for a country with a low level of economic development?

The stones are (cheap) and won't cost much.

(2 marks)

9
16

Turn over for the next question



5 The Tropical Rainforest Environment

Total for this question: 20 marks

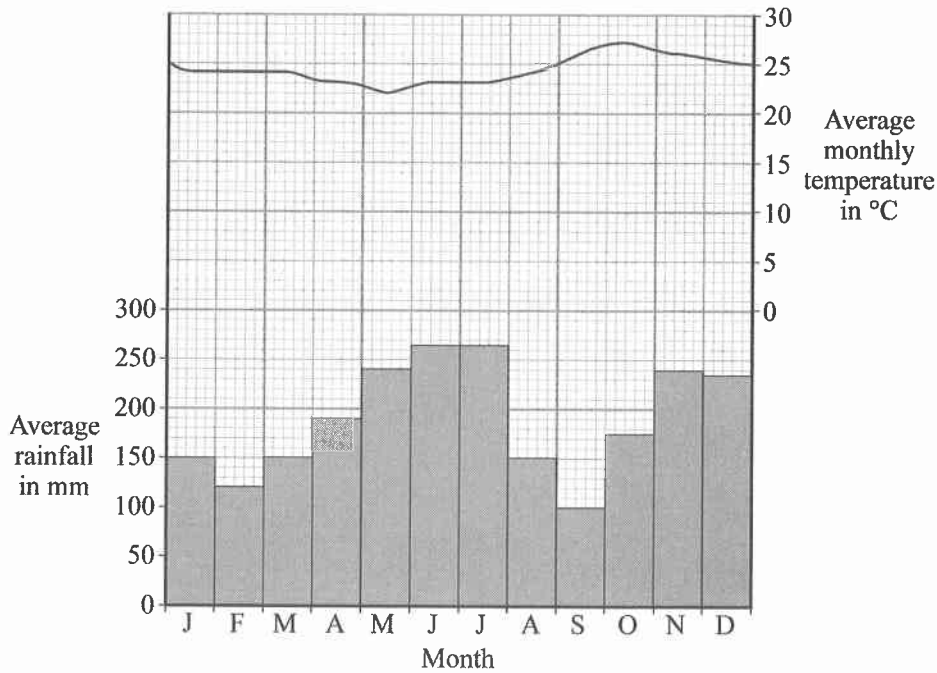
5 (a) Study **Figure 12** on the insert, a map of climate in different parts of the world. Complete the sentences below. Circle the correct answer in each set of brackets.

5 (a) (i) There are areas of tropical rainforest in [**four** / six / seven] continents. (1 mark)

5 (a) (ii) The [**Tropic of Capricorn** / Equator / Tropic of Cancer] runs through many areas of tropical rainforest. (1 mark)

5 (b) Study **Figure 16**, a climate graph for an area of tropical rainforest in Amazonia, Brazil.

Figure 16



5 (b) (i) Complete the paragraph below, which describes the climate in an area of tropical rainforest. Choose the **two** correct answers from the list below.

- | | | |
|-----|-----|-----|
| 250 | 265 | 300 |
| 25 | 27 | 30 |

The average temperature in the hottest month is **27** °C.

The average rainfall in the wettest months is **265** mm.

(2 marks)

2



Barcode

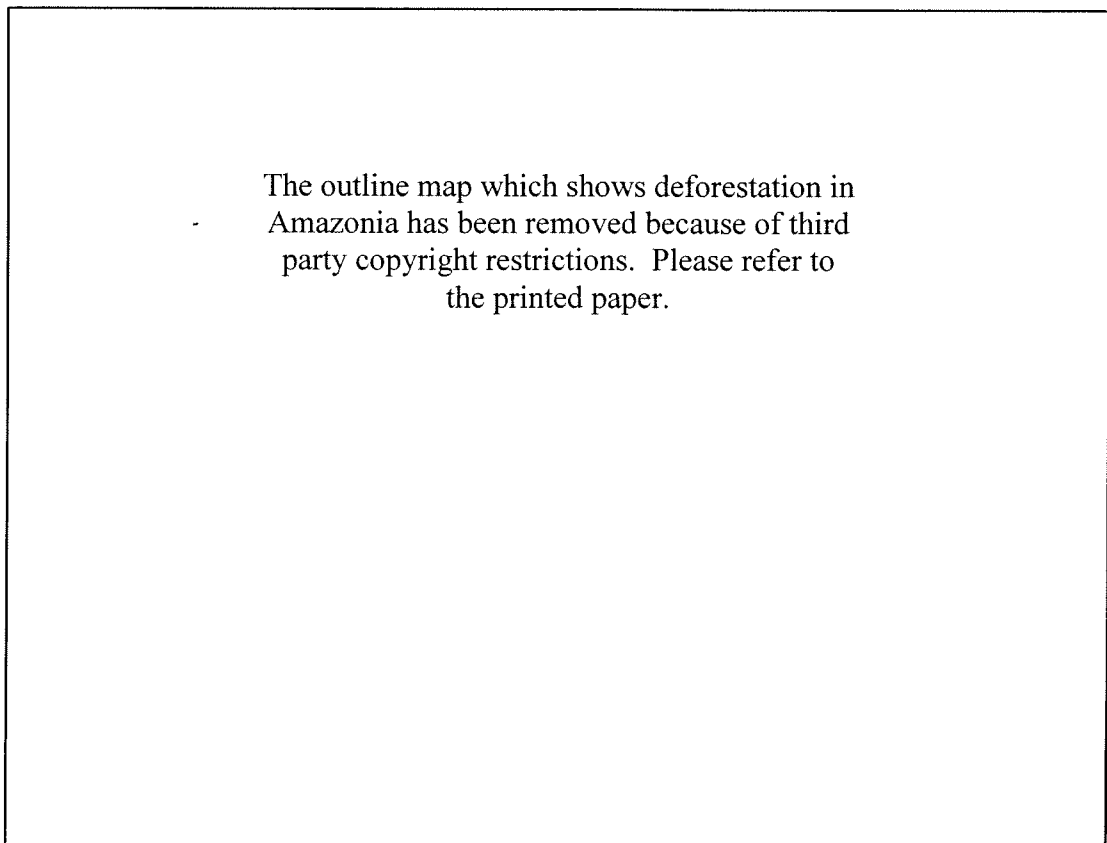
- 5 (b) (ii) Give **two** reasons why a pattern of climate such as that shown in **Figure 16** leads to the growth of tropical rainforest.

1 (It is always hot and wet)
 (So plants are always growing)
 2 like in a greenhouse

(2 marks)

- 5 (c) Study **Figure 17** which shows deforestation in Amazonia, Brazil.

Figure 17



Which area of the map (**A**, **B** or **C**) does **each** of the following statements describe? Place the correct letter in the boxes below.

Statement	Letter
An area of low level deforestation to the north of the Equator.	A ✓
An area of high level deforestation to the east of Amazonia.	B ✓

(2 marks)

- 5 (d) Study **Figure 18**, a graph to show deforestation rates in Amazonia (1975 to 2005).



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- Question 1 Figure 3 T W RANDLE, *Geographical Studies in Western Europe*, Pearson Education
- Question 2 Figure 5 University of Wisconsin – CIMSS TC Group
- Question 2 Figure 6 New Scientist
- Question 2 Figure 7 CIA *The World Factbook*
- Question 4 Figure 12 Keith Flinders, David Gardner, Greg Hart, Nic Howes, John Belfield, John Pallister and Brian Smith, *A New Introduction to Geography for OCR Syllabus A*, Hodder Murray, 2001, © 2001, Keith Flinders, David Gardner, Greg Hart, Nic Howes, John Belfield, John Pallister and Brian Smith. Reproduced by permission of John Murray (Publishers) Ltd.

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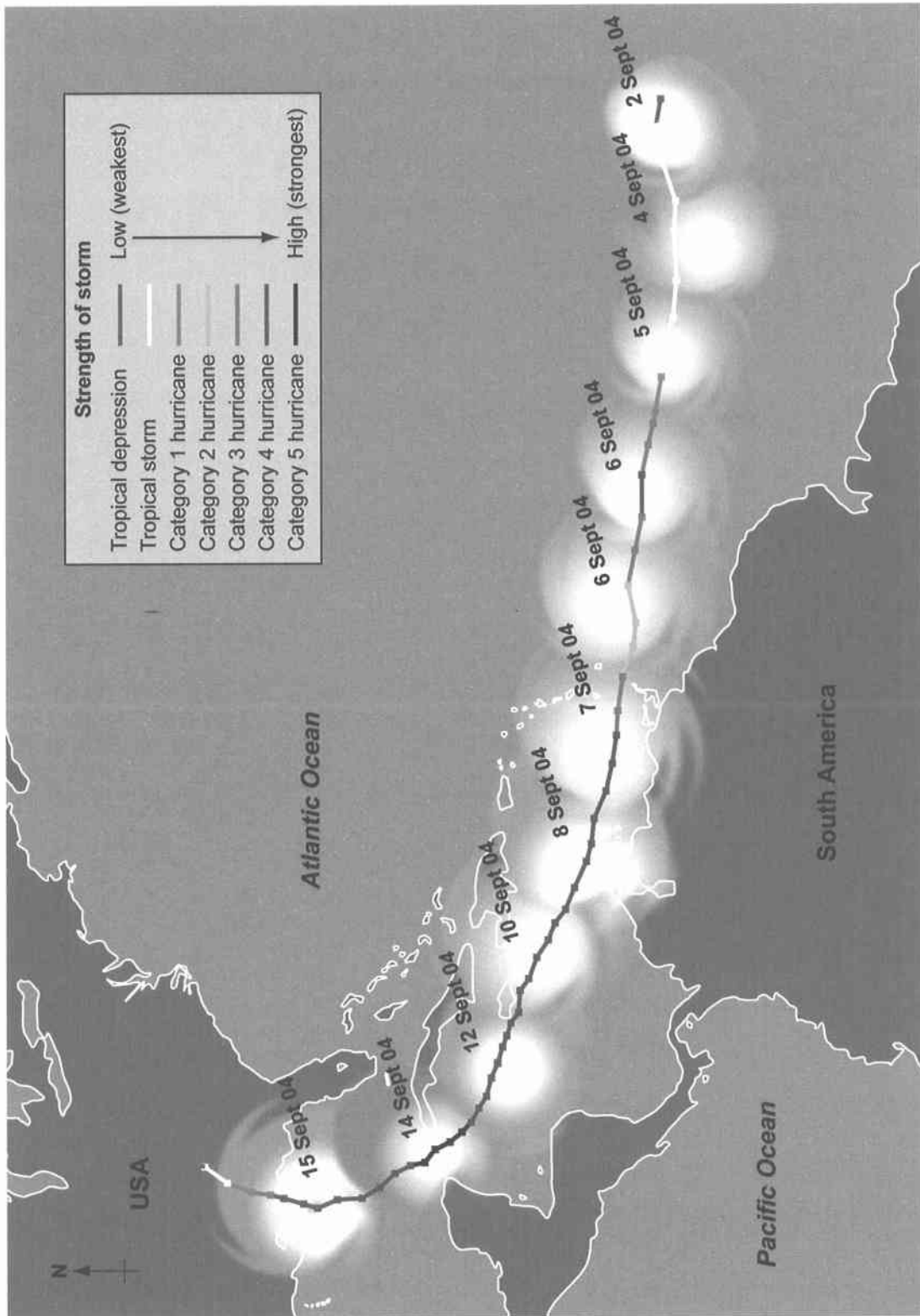
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Specimen Paper

**Geography
(Specification B)**

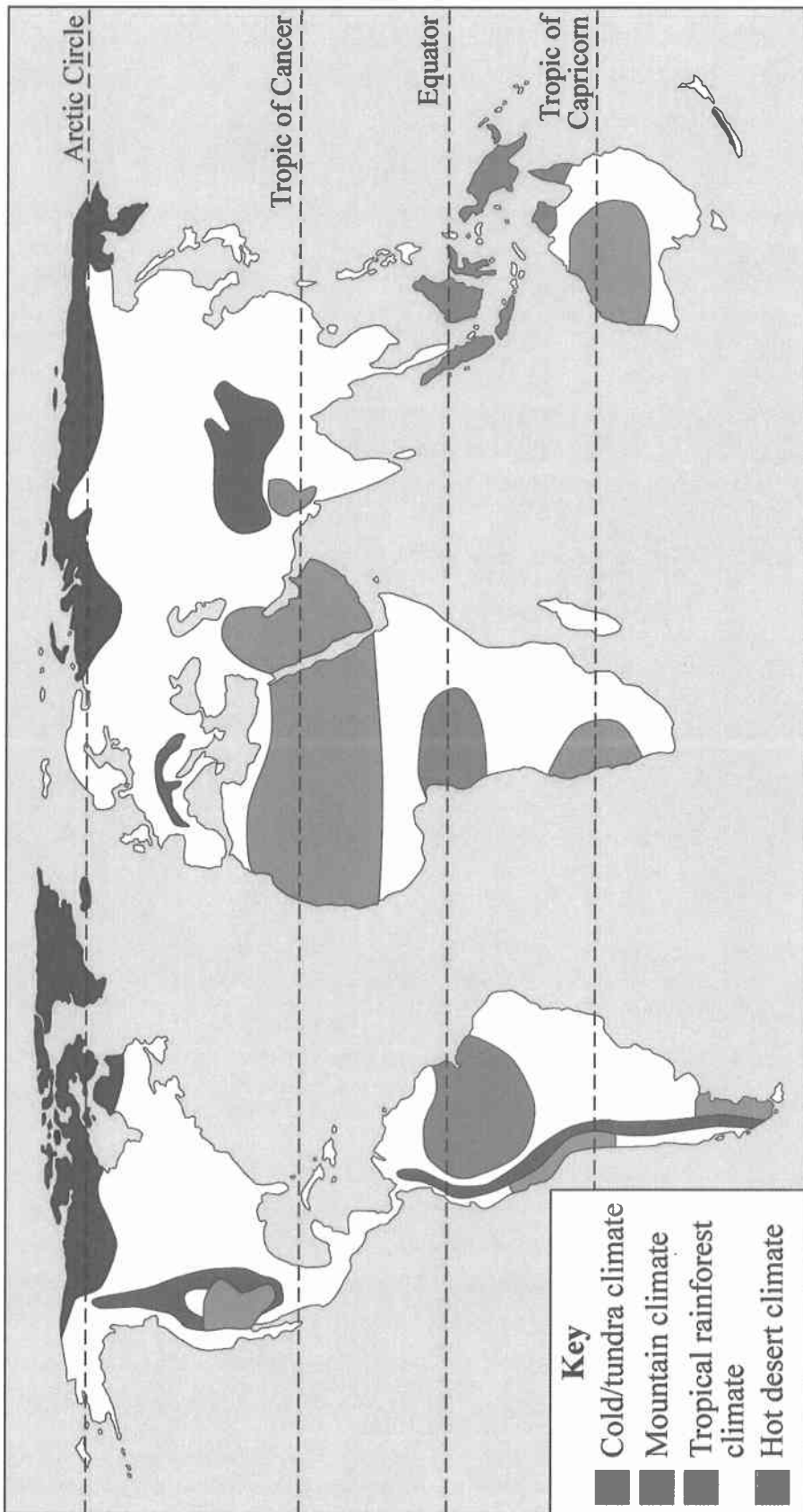
Unit 2/F & 2/H Hostile World

Insert

For use with Question 2
Foundation Tier – Figure 5
Higher Tier – Figure 5



For use with Questions 4 and 5
Foundation Tier – Figure 12
Higher Tier – Figure 11



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