Surname	Centre Number	Candidate Number
First name(s)		0
GCSE		

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C112U10-1

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WEDNESDAY, 11 NOVEMBER 2020 – MORNING

### GEOGRAPHY B – Component 1 Investigating Geographical Issues

1 hour 45 minutes

For Examiner's use only				
Question	Maximum Mark	Mark Awarded		
1	32			
SPaG	4			
2	32			
3	32			
Total	100			

#### ADDITIONAL MATERIALS

In addition to this paper you may use a calculator and a ruler if required.

#### INSTRUCTIONS TO CANDIDATES

Answer all of the questions in this examination paper.

Use black ink or black ball-point pen. Do not use gel pen. Do not use correction fluid.

Write your name, centre number and candidate number in the spaces at the top of this page.

Write your answers in the spaces provided in this booklet.

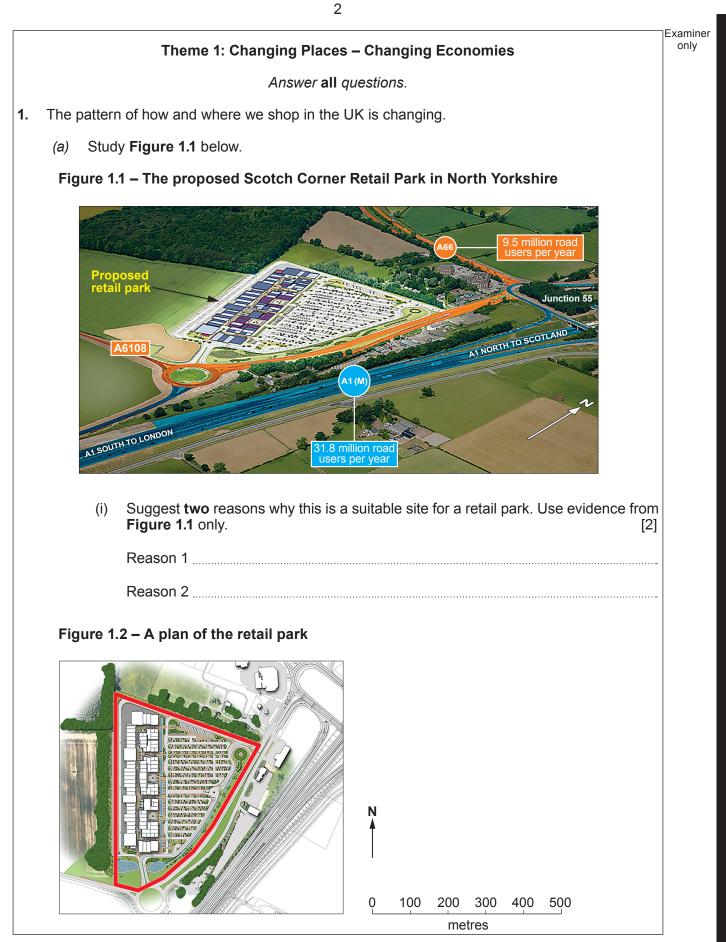
Additional space is provided for some questions within the booklet (if required). If further space is required for any question, you should use the lined page(s) at the end of this booklet. The question number(s) should be clearly shown.

#### **INFORMATION FOR CANDIDATES**

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

You are reminded that assessment will take into account your ability to spell, punctuate and use grammar and specialist terminology accurately in your answer to question 1(*c*).







Study Figure 1.2 on the opposite page. Calculate the approximate area of the new retail park. The edge of the retail park is shown in red. Choose the correct answer from the box below.

	Tick (√)
250000 square metres	
200000 square metres	
100000 square metres	

 (iii) The Scotch Corner development is on a 'greenfield' site. Explain why developers often prefer greenfield sites to brownfield sites.

(iv) Complete the sentences that follow, using **four** words or phrases from the text box below. [4]

threshold	low value	retail	high value
travel	catchment	convenience	commute

The range is the distance a shopper is prepared to ......

The area a shop gets its customers from is called the ......

The minimum population needed for a service such as a shop is called

the ......



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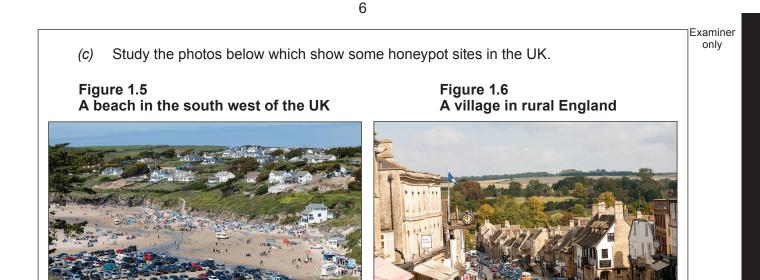
[4]

Examiner only Explain why out of town retail parks are attractive to shoppers. (v) [4] Study Figure 1.3. (b) Figure 1.3 – Changing patterns of online shopping 2008-2018 100 90 ٩ae 80 70 % online shopping 60 50 40 Age 65+ 30 20 10 0+0 200 201 2010 2027 2010 2015 500 [c? 2003 2012 201 Year



• • • •	of people 65+.			[3]
••••				
••	Study Figure 1.4.			
g	ure 1.4 – Frequency of online	shopping over a thr	ee-month period	
	Frequency	Age gro	1	
		Age 25-34	Age 65+	
	Once or twice 3-5 times	17 27	29 28	
	6-10 times	19	28	
	11 times or more	37	20	
	Reason 1			
	Describe the <b>economic</b> and <b>e</b> is having on town centres (CB	<b>nvironmental</b> impacts	s the growth of onlir	
)		-,		[4]
••••				
••••				[4]









Analyse the likely positive and negative impacts of honeypot sites on **both** local residents **and** leisure users. [8]

Use evidence from the photographs. You may also use examples you have studied to support your answer.

Your ability to spell, punctuate and use grammar and specialist terminology accurately will be assessed in your answer to this question. [4]



Examiner ..... ..... ..... •••••• ------..... ..... \_\_\_\_\_ ..... -----..... ..... End of Question 1

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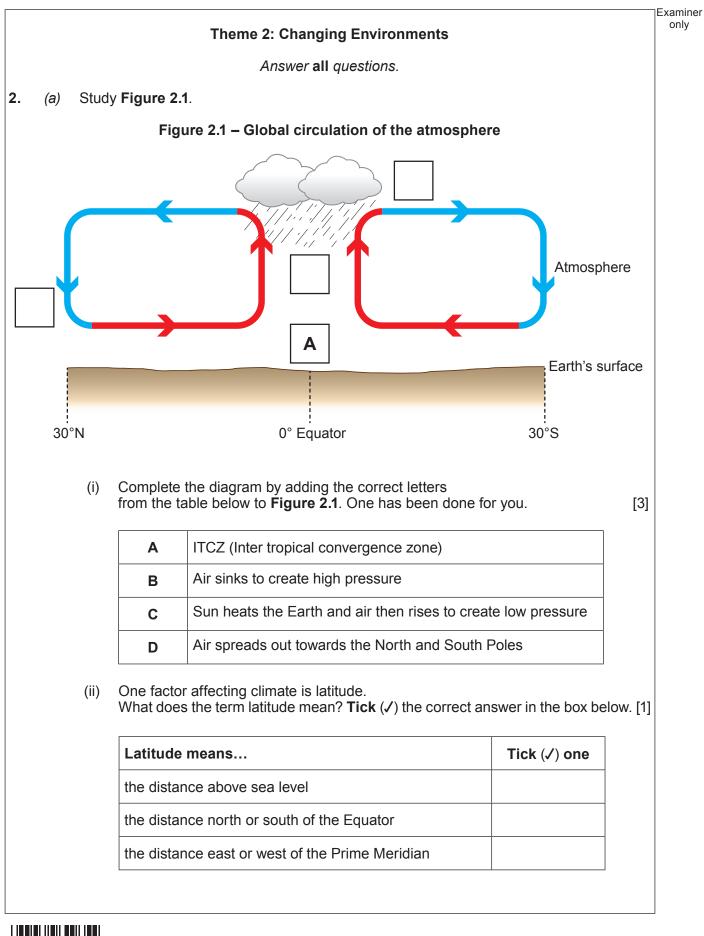
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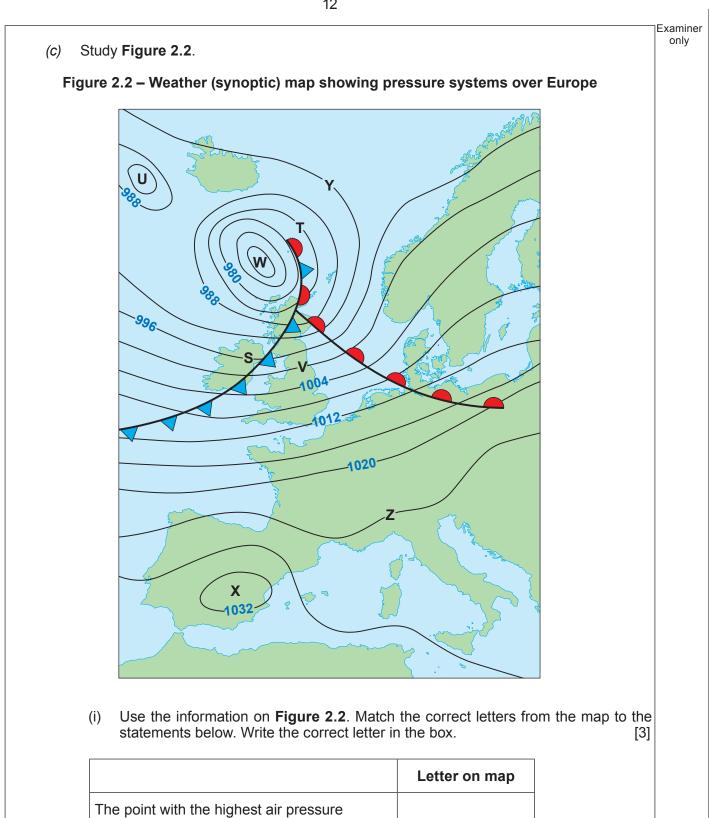






(b)	Describe the characteristics of temperature and rainfall in the hot semi-arid climate zone [4	e. 
	Temperature	
	Rainfall	

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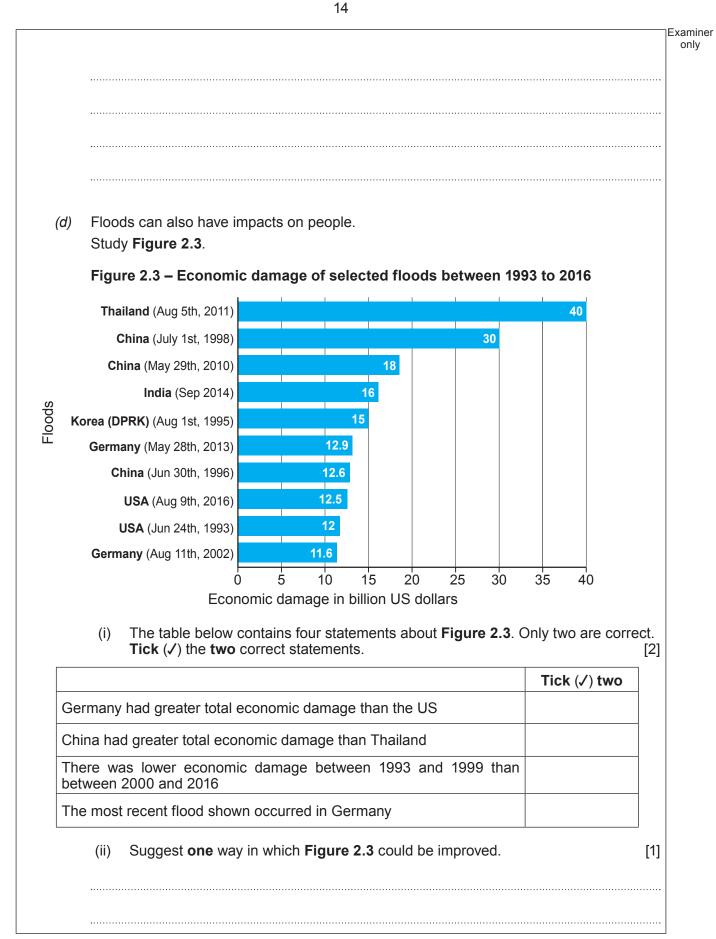


	Letter on map
The point with the highest air pressure	
A point in the warm sector	
The point with the lowest air pressure	

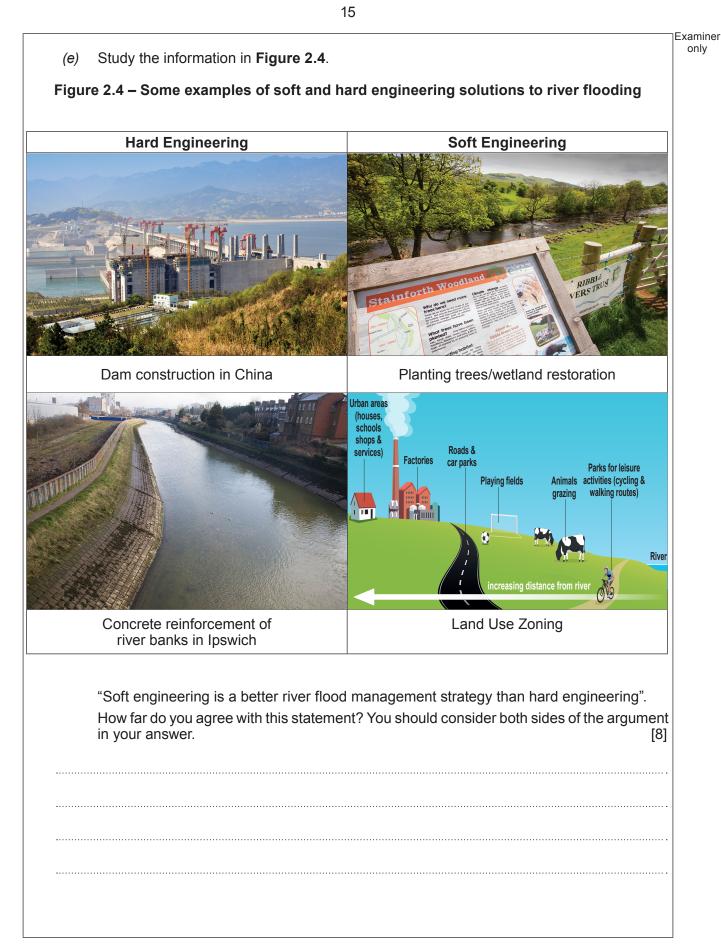


Examiner only Calculate the difference in air pressure between point S and point Z on Figure 2.2. (ii) Show your working in the space below. [2] ..... millibars Give one reason to explain why there is likely to be heavy rain at Point S on Figure 2.2. [2] (iii) Periods of extended high pressure can lead to impacts on different groups of people. (iv) Explain why. [6] ..... .....











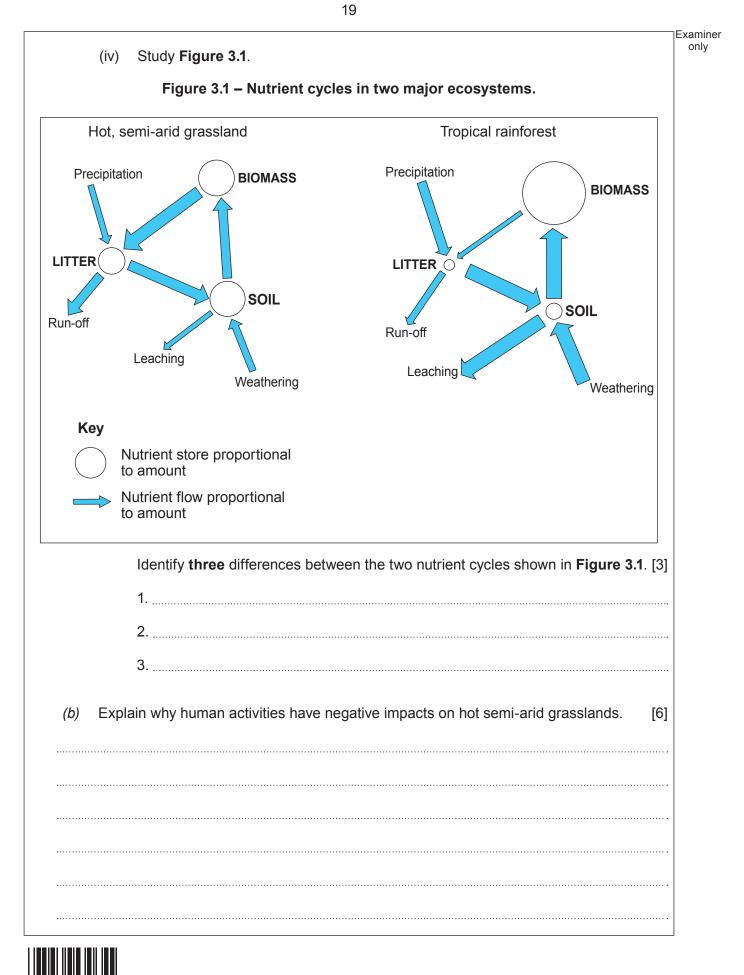
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<ul> <li>(a) (i) What is meant by the term 'biome'? Tick (/) one of the definitions below. [1]</li> <li> <ul> <li>Tick (/) one of the definitions below.</li> </ul> </li> <li>(a) Tick (/) one of the definitions below. [1]</li> <li>The part of the Earth that contains living things. A plant and animal community covering a large part of the Earth's surface. A small community of plants and animals and the environment they live in.</li> <li>(ii) Complete the sentences that follow using three words from the text box below. [3]</li> <li>(ii) Complete the sentences that follow using three words from the text box below. [3]</li> <li>(iii) Complete the sentences soli leaching water</li> <li>Ecosystems include both living and non-living components. The living parts include solar energy, which is taken in by plants through the process of</li> <li>(iii) Give one reason why there are more primary consumers than secondary consumers in a food web. [2]</li> </ul>			Answer all questions.	
The part of the Earth that contains living things.	(a)	(i)		
A plant and animal community covering a large part of the Earth's surface.         A small community of plants and animals and the environment they live in.         (ii)       Complete the sentences that follow using three words from the text box below. [3]         rocks       photosynthesis       biodiversity       plants         weathering       decomposers       soil       leaching         water       Ecosystems include both living and non-living components.       The living parts include       and       .         The non-living parts include solar energy, which is taken in by plants through the process of       .       .       .         (iii)       Give one reason why there are more primary consumers than secondary consumers       .       .				Tick (✔) one
Earth's surface.       A small community of plants and animals and the environment they live in.         (ii)       Complete the sentences that follow using three words from the text box below. [3]         rocks       photosynthesis       biodiversity       plants         weathering       decomposers       soil       leaching         water       Ecosystems include both living and non-living components.       The living parts include       and       .         The non-living parts include solar energy, which is taken in by plants through the process of       .       .       .         (iii)       Give one reason why there are more primary consumers than secondary consumers       .       .		Th	e part of the Earth that contains living things.	
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weathering       decomposers       soil       leaching         water       Ecosystems include both living and non-living components.         The living parts include       and       .         The non-living parts include solar energy, which is taken in by plants through the process of       .         (iii)       Give one reason why there are more primary consumers than secondary consumers		(ii)	Complete the sentences that follow using three words f	rom the text box below.
water Ecosystems include both living and non-living components. The living parts include			rocks photosynthesis biodiversity p	lants
Ecosystems include both living and non-living components. The living parts includeandandand			weathering decomposers soil leach	ning
<ul> <li>The living parts include and</li></ul>			water	
The non-living parts include solar energy, which is taken in by plants through the process of			Ecosystems include both living and non-living compone	nts.
<ul><li>(iii) Give <b>one</b> reason why there are more primary consumers than secondary consumers</li></ul>			The living parts include and	
(iii) Give <b>one</b> reason why there are more primary consumers than secondary consumers			The non-living parts include solar energy, which is taker	n in by plants through the
			process of	
		(iii)	Give <b>one</b> reason why there are more primary consumers in a food web	
				I





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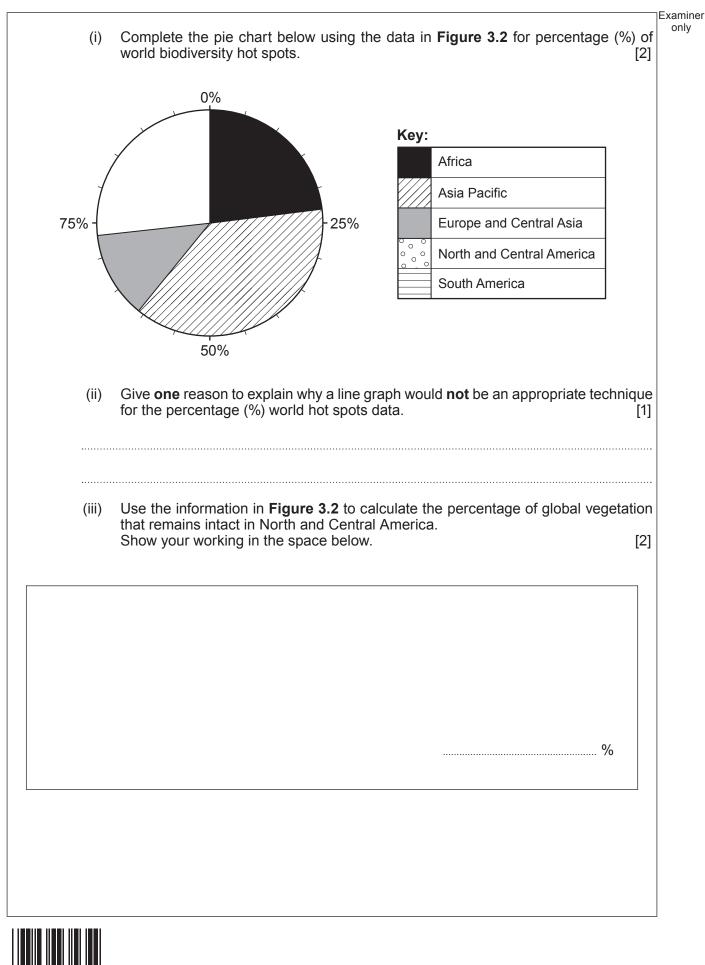
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### (c) Study Figure 3.2.

Figure 3.2 – Biodiversity hot spots in the world. (A biodiversity hot spot is a region with a great variety of organisms).

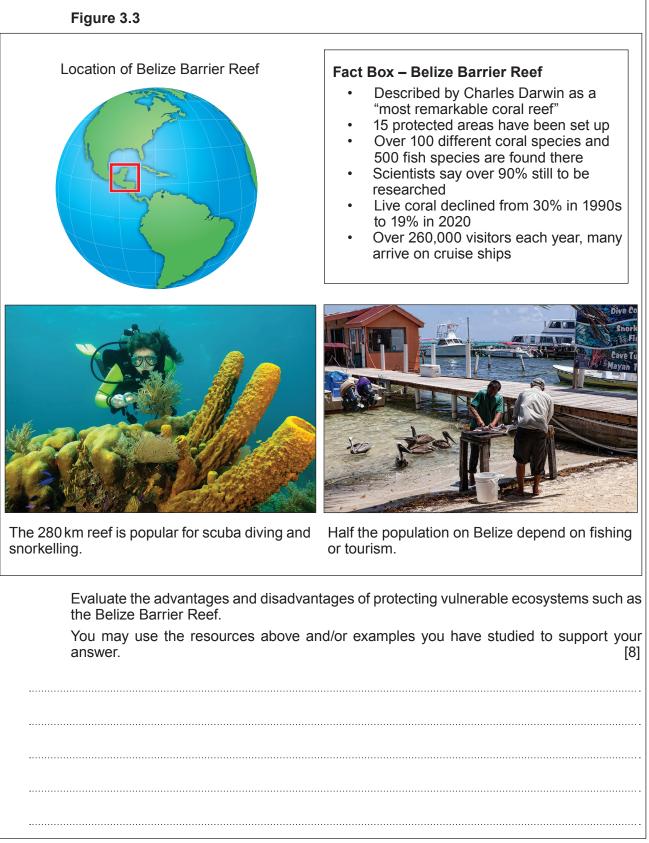
Region	% of world hot spots	Area of vegetation left intact in km <sup>2</sup>
Africa	23	80 150
Asia-Pacific	38	82000
Europe and Central Asia	12	54600
North and Central America	12	90000
South America	15	236000
TOTAL	100	542750





(d)	Describe how <b>one small scale</b> ecosystem you have studied in the UK benefits the local community. [4]
	Name of Ecosystem
	Location

(e) Study **Figure 3.3** which shows information about one marine ecosystem under threat. Coral reefs are made of millions of tiny animals called coral polyps. Reefs are a very complex and fragile ecosystem.





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