

Candidate 2 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
2a)	893618 - ox-bow lake	
	883627 - V-shaped Valley	
	895589 - meander	
b)	<p>As a river flows it is faster in the middle and slower at the sides. This means that the river will deposit its bedload at the sides as there is less energy to carry it. Over time the sides of the river build up with silt forcing the river to change its course, creating the meanders.</p>	
3.	A - forestry	
	B - Halladale River	
	C - Electricity transmission lines	
4.	<p>The Strathgy area would be suitable for farming such as hill-sheep farming due to the steep landscape such as in grid square 8360. Hill-sheep are also very sure-footed</p>	

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	<p>therefore they would be able to survive in these conditions. The soil quality in these steep areas is too thin for growing crops. This area would also be suitable for water storage supply due to many rivers in this area such as the Halladale river that runs through grid square 8960^{that could be a source.} Water can be easily stored in V-shaped valleys as only two dams would need to be placed ^{in a valley like the one} at 885594, in order to trap the water for storage.</p>	
5.	<p>In the Yorkshire Dales, there is a conflict between industry and recreation and tourism. The blasting of rock in quarries can cause noise pollution which can disrupt tourist activities, this can be resolved by national parks making arrangements with quarries so that blasting can only take place at certain times of the day. The movement of rock from quarries</p>	

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	<p>Altitude can also have an effect on temperatures as the higher up a place is the colder it becomes as every 100metres up the temperature drops by 1°C. Distance from the sea can also have an effect as heat travels faster through the sea than on land meaning that coastal areas are warmer in Summer and colder in Winter.</p>	
7.	<p>Stirling will experience some rain and fairly warm temperatures due to the warm front approaching. As the warm front passes some cirrus clouds will be seen. After the warm front Stirling will have clear skies and warm temperatures due to the warm sector. Then they will experience heavy rain and cold temperatures due to the cold front. This will also bring dark cumulonimbus clouds.</p>	

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8.	A - 6.25 km	
	B - 3.75 km	
	C - 8.25 km	
	9a) Area X is the CBD as there are many churches	
	such as the ones at 515064 and 518061,	
	suggesting that this area is old. There is	
	also an information centre at 514065 and	
	a museum at 512063, showing that the area	
	is popular for tourists. Area Y is the	
	suburbs as there are many dead ends here	
	such as at 558027 due to newer housing	
	in this area. There are also some roads	
	leading to the CBD such as at 553028. Area	
	X also has a few main roads going	
	through it such as the A158 suggesting that	
	it is the CBD.	
	b) Area Z would be good for a new	

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	<p>supermarket as the land here is relatively flat due to the lack of contour lines meaning that it would be easier to build on. There are some roads at 534092 and 537093 that lead into the CBD meaning that it has good communication links and customers and suppliers can get to the supermarket easily. There is also a lot of green space in the surrounding grid squares such as 5409 meaning that it can expand in the future. The area may not be suitable for a supermarket as there is not a lot of housing nearby therefore there may not be enough people wanting to work there as it may be too far for them to commute. There is a river at 533095 which, with large amounts of rainfall, could overflow causing potential floods ^{in and around} the supermarket.</p>

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10.	<p>For Glasgow, low quality housing has been changed such as the gentrification of the gorbals. The Gorbals have recently been renovated in order to make the area a more desirable place to live as people were moving away due to the unpleasant conditions. Derelict properties on Buchanan Street and in the inner city have been converted into new shops for larger companies as they can afford the increasing rent. This was done because people visiting Glasgow did not want to see abandoned, derelict buildings as they ruin the area as they are ugly. High levels of unemployment have also been changed by the new shops being put in place as they create many job opportunities. This has been changed due to some of the population becoming homeless, creating a bad image for Glasgow.</p>

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11.	<p>Increased technology can increase the yield of crops being harvested generating more profits for farmers and more food for the country however some farmers in developing countries can't afford new machinery. It also reduces the amount of manual labour required. Genetically modified crops can ensure that crops can survive in the hot climates of some developing countries, creating healthier crops which can be sold for a more expensive price, allowing farmers to earn more. However GM crops can cause negative effects on the landscape such as ruining soils.</p>	
12a)	<p>The gross national incomes in 2015 in the UK was around 1.06-2.74 trillion US\$ whereas in countries such as the USA or China the incomes were much higher at</p>	

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	more than 4.93 trillion US\$. However,	
	throughout the majority of Africa and the	
	West and South of South America incomes were	
	much less at less than 1.06 trillion US\$.	
	b) The percentage of people who can read and	
	write shows the level of development of a	
	country as if the percentage is high then	
	a country is more developed as it shows	
	how much money a country spends on	
	education and that it is more widely	
	available. The percentage of people working	
	in agriculture can show the development of	
	a country as a high percentage would	
	mean that a country is less developed as	
	in developing country education isn't as	
	easily accessible therefore people have to work	
	on farms. If more people are working on farms	
	it can show that farming is more popular	
	as the country is in need of the produce.	

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	being grown in order for the population to survive.	
15a)	The estimated damage caused by natural	
	disasters from 1990 to 2012 has changed	
	as in 1990 only 50 US\$ millions were spent	
	however in 2012 just over 15 US\$ millions	
	was spent on damage. The lowest amount	
	was spent in 2001 at just over 25 US\$	
	millions and the highest was spent in 2011	
	at just over 350 US\$ millions.	
b)	In Montserrat in 1997 ultrasound was used	
	to document the movement of magma	
	underground, in order to predict when the	
	volcano would erupt so that the population	
	could be alerted. Satellites were also used	
	to watch the volcano for any unusual	
	activity such as emitting gas, smoke	
	or ash. The government paid everyone over	

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	the age of 18 to evacuate the island.	
	Some evacuated to the north of the	
	island and other went to neighbouring	
	islands and the UK, to avoid getting	
	any long term respiratory problems.	
	18a) HIV/AIDS is more common in the south of	
	Africa at more than 10% of adults having	
	the disease. Countries such as the USA, the	
	UK and Canada have a low rate at less	
	than 1% of adults with the disease. Countries	
	in central and western Africa have a fairly	
	high rate at 1-5% of adults with HIV/AIDS.	
	There are a few countries in Southern	
	Africa, on the east and west coasts that	
	have 6-10% of adults with the disease.	

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b)	HIV/AIDS can effect the population of developing countries as people with the disease may not be able to work therefore the productivity of the country will decrease meaning that less income will be made. If parents have HIV/AIDS then if they die their children will be left to provide for themselves, potentially increasing homelessness in the future. Children could also inherit the disease ^{from their mothers,} creating a cycle of homelessness if the disease continues to be inherited. In developing countries there are less hospitals and equipment therefore needles may be shared which can easily pass on the disease. Due to hot climates, disease can spread faster, creating a threat to the population. A country's population could become very young if many people were to have HIV/AIDS and die from it.