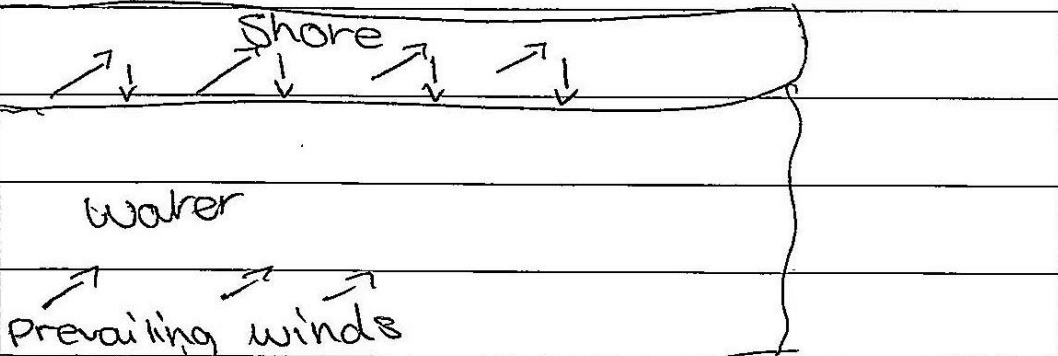
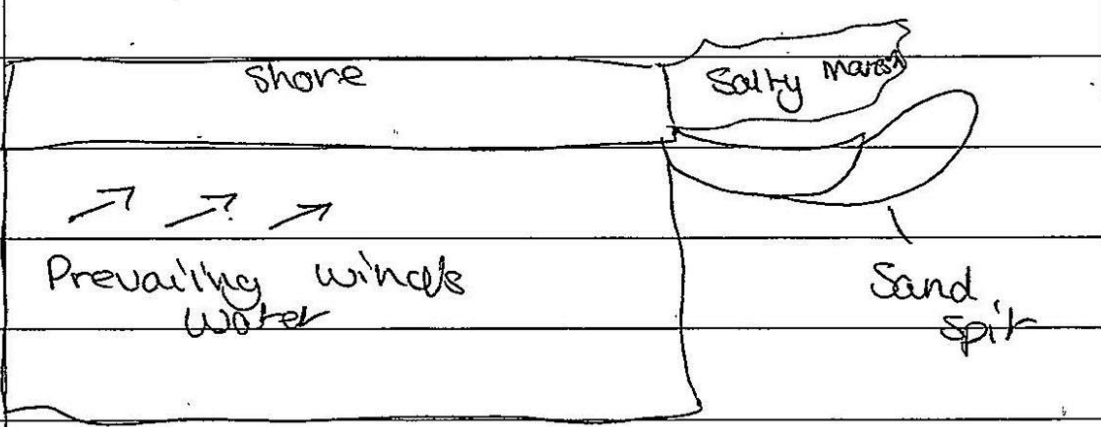


Candidate 1 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
ia)	827694 - arch	
	812681 - stack	
	843662 - cliff	
b)	<p>The formation of a sand spit starts off by longshore drift. Longshore drift is when the wind pushes the waves onto the shore at an angle, as the sea tides get pulled back into the water they are pulled out leaving the pebbles on the beach at 90°</p>	
		

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>as this process is repeated it carries sand grains all the way along the beach until at the end the sand starts collecting up to form a sand spit</p>	
		
	<p>once the sand spit is formed it leaves a salty marsh as no water is reaching that area.</p>	
3a)	<p>A - Forestry B - Mulladale River C - Electricity transmission lines</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
4	<p>This area is suitable for recreation / tourism as the area is full of steep land for hill walking as shown in GR (831, 605). The area is also suitable for recreation / tourism as there are plenty of ^{lochs} lakes for water sports such as sailing as shown in GR (788, 589) at Loch Meala. This area is suitable for farming as there are plenty of steep hills for sheep farming, sheep farming is suitable in this area as sheep are naturally built for hills, an example of steep land is GR (786, 587). Farming is also suitable for this</p>

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>area as there are plenty areas of flat land for cow farming as shown in AR(893,626). This area is suitable for farming as there is plenty of streams for a natural water source for crops, as seen in AR(883,556) from the stream Lôn bad a Mhail.</p>	
5.	<p>The Glaciated upland that I studied was the Cairngorms. The conflict between farming and recreation and tourism can be managed by tourists not leaving farmers gates open, if the tourists close the gates the</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>way this could be managed is farmers can put signs up saying to leave dogs in cars. To prevent tourists opening and closing gates the farmers can put locks on the gates to not let them open it. A way litter could get managed is signs can be put up to prevent it. Tourist can park their cars at a park and ride scheme so it leaves the country roads clear.</p>
6.	<p>One factor which affects the UK's average temperatures is the different air masses such as polar continental</p>

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
7.	<p>Stirling is currently in the cold sector and is about to be hit by the warm front. As the warm front passes overhead Stirling will be met with clouds and heavy showers and a small an increase in temperature. As Stirling heads into the warm sector the weather will clear up and will be mainly dry and fine with a few clouds, the temperature will continue to increase in the warm sector. As the cold front approaches and goes overhead Stirling will will be met with temperatures temperatures.</p>

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>decreasing and a band of steady continuous rain. As the front heads into the cold sector temperatures will continue to decrease.</p>
8.	<p>A - 6.25 km B - 3.75 km C - 8.25 km</p>
9.	<p>Area X is the CBD as there are many places of worship in this area such as GP (513, 065). Area X is the CBD also as all the main and primary roads around lead to this area such as the A4144 GP (520, 038) lead</p>

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>Mo that area. Area Y is the suburbs as there are many crescents and cut cul de sacs to slow down cars. GR(551, 022). Area Y is also the suburbs as there is a college for students who live nearby GR(554, 028).</p>	
	<p>b) An advantage of a development on this areas is that the land is flat so so it will be easier to build on. Another advantage is there is a primary road nearby nearby so it can be easily accessed and supplies can be delivered easily. A disadvantage is it</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>is right next to a stream which could overflow and could flood the supermarket which would be expensive to repair. Another disadvantage is there are roads generally less than 4m wide in the area. These roads would have to be rebuilt as large delivery trucks would struggle to get up these and this could take time. In the surrounding area are many schools and colleges AR(532 079) so the super market would not be in ^{short} need of staff which is an advantage</p> <p>* AR(534,094) ✖ AR(535,098) * AR(534,094) ✖ AR(539,090)</p>

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
10.	<p>The developed world city I studied was Glasgow. A bowling alley and restaurant were built to get rid of an area of wasteland. It was also built to attract more tourists. Businesses were given grants to take more employees which helped the high levels of unemployment. A recent change is old tenement housing was refurbished because the lack of running water and toilets. A recent change due to many derelict properties housing schemes were built such as Castlemilk and Easterhouse. Another change is</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	many new motor way were built due to the rise in people owning cars.	
11.	The developing world country I studied was India. Increased technology has effected the people as they can collect in there crops quicker and then therefore start selling them quicker for money. Also increased technology has effected people as they are being laid off so because they are being replaced by machines which means less money. Genetically All crops have effected people as their crops	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
12	

can now survive harsher conditions which means they will get a larger yield so more money. All crops have effected ~~be~~ people as they grow in high yield which means more money. Biofuels have effected the landscape as there is less fossil fuels being burned so less global warming.

In places such as the madagascar and the congo the gross national income is < £1.05 trillion US\$ where as places such as Brazil and russia have

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN

an income of 2.75 - 4.93 trillion US \$. In places such as the UK, Italy and North America the national income is 1.03 - 2.74 trillion US \$. In places such as the USA ~~and~~ the income was \downarrow 4.93 trillion US \$.

b) The social ~~indicator~~ indicator % of people who can read and write show the development in a country as ~~the income of the~~ ~~country~~ it shows a good education system which shows the development of a country.

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p> Q1a In 1900 the land lost is 0.8^{1.2} billion hectares and the world population is about 0.8 billions. As we move up 30 years to 1930 the land lost increase from 0.8 to 1.3 billion hectares of land lost and the world population is now 1.0 billion people. The population and and land lost continues to rise as in 1960 the land lost is now 1.5 billion be hectares and the population is now 1.8 billion. It continues to increase to the point that^{Population} land lost has over taken the population^{land lost} in 1990 to 2000 where the </p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>land lost in now 1.7 billion and the population in 6 billion.</p>
	<p>d) Vegetation has adapted in the tundra as the cotton on the grass helps it keep warm. Seed covers have adapted to have wool wool on the to keep them warm and to prevent loss of moisture. Flowers go cup shaped to get as much heat and warmth from the sun possible. Plants grow close together to keep heat. Plants have short roots so they can survive so the will</p>

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
<p>not get frozen by permafrost Plants also grow low to the ground so they do not get hit by the wind.</p>	
<p>15g a) In 1990 the damage cost were ⁸⁰ million and continued to increase to 1995 where they were up to 1 80 million US \$. As the years pushed on it decreased to about 49 million in 2000 but dramatically increased to 21 210 million in 2008. From 2008 to 2011 it soared to over 350 million.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	US \$	
	b) The volcano I studied	
	was was Mt St-helens. One	
	strategie used to prepare	
	for for the eruption was	
	a red zone area you	
	were not allowed to be	
	in incase of an eruption.	
	A strategie used to	
	reduce the effects is	
	a disaster survival kit	
	with essentials in it such	
	as water and food. A	
	strategie is short-term	
	aid to reduce the effects	
	after an eruption, short	
	term aid would consist	
	of items such as food	

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>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
5.	

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 8960¹ ^{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.

5. 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

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<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>

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
8.	A - 6.25 km	
	B - 3.75 km	
	C - 8.25 km	
9a)	<p>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.</p>	
b)	Area Z would be good for a new	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<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>

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
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>

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
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>	

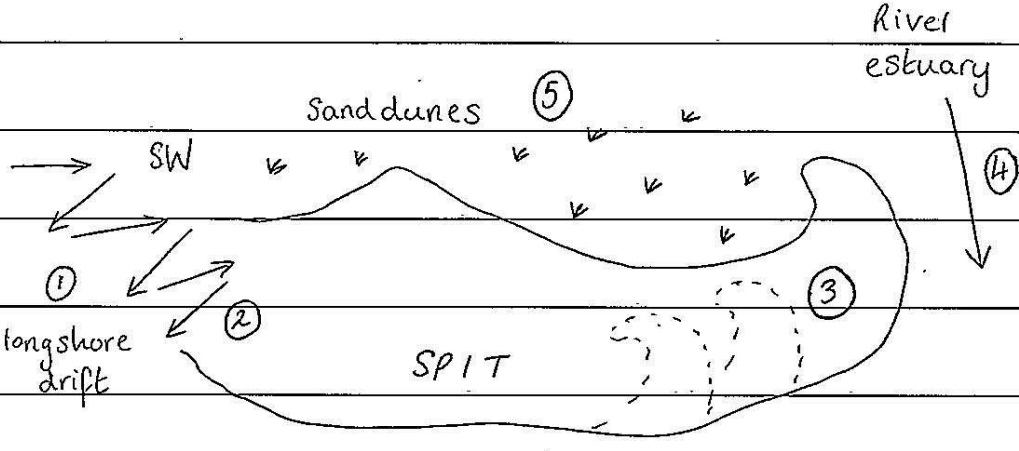
ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	more than 4.93 trillion US\$. However,	
	throughout the majority of Africa and the	
	West and South of South America incomes were	
	much less at less than 1.06 trillion US\$.	
	b) The percentage of people who can read and	
	write shows the level 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.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	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	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	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.	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
b)	<p>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.</p>

Candidate 3 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
1. (a)	827 694 - atch	
	812 681 - stack	
	843 662 - cliff	
1. (b)		
	① Sand and beach material is transported	
	along a coastline by longshore drift	
	in the direction of the prevailing wind	
	② The beach material collects in a	
	sheltered area of shallow water	
	③ The beach material continues to	
	grow across the water and the second	
	most common prevailing wind causes	
	the end to curve into a hooked shape	
	④ The spit cannot continue across a	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	river estuary, due to the force of the	
	water taking material out to sea	
	⑤ A spit becomes permanent when	
	sand blows inland to form sand dunes	
3.	A - Forestry	
	B - Halladale river	
	C - Electricity transmission lines	
4.	<u>Recreation / tourism</u>	
	At grid reference: 835 662 there is	
	a bay called Stratly Bay which	
	tourists can visit and perhaps sunbathe	
	on. In addition, at GR: 838 658 there	
	is a parking area so visitors can	
	easily access the bay by car, via the	
	main road.	
	At grid ref. : 878 651 there is a hotel	
	so tourists can stay overnight and	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	for longer.	
	<u>Forestry</u>	
	At grid ref. : 836 605 there are steep	
	slopes, shown by the close together	
	contour lines, and this area would be	
	suitable for forestry as conifers can	
	tolerate the steep slopes. They can also	
	grow in areas of poor acidic soils. This	
	area is probably unsuitable for other	
	land uses (exception of ^{hill sheep} farming).	
	Forestry would also be suitable at	
	grid ref. : 885 626 as the conifers can	
	grow in areas of poor drainage. There	
	are water streams nearby. This area	
	also faces the has few trees or buildings	
	to shelter wind, so is likely to be windy,	
	however conifers for timber	
	production can tolerate growing in	
	harsh harsh, wet and windy conditions.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
5.	<u>Glaciated upland landscapes</u>	
	<u>- Forestry Farming and Recreation/tourism</u>	
	These two land uses can be in conflict	
	as tourists like hill walkers may	
	forget to close gates, so sheep can	
	escape and this takes hours for the	
	farmer to round up all their sheep. ^①	
	Walkers create soil path erosion and	
	this reduces grazing area for the	
	sheep, so the farmer's income is	
	reduced. They may have to tend less sheep ^②	
	Tourists who have dogs can scare the	
	sheep, especially during lambing	
	season and cause sheep to lose their	
	lambs. This reduces the farmer's	
	income as they have less sheep. ^③	
	Tourists' cars or vehicles can block	
	the roads where farmers move their	
	sheep around and both can cause	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	lots of traffic and it takes up a lot of	
	time for one another.	
	Some barns or farm sites can be an	
	eyesore for tourists due to their	
	bad condition or colours. So farmers	
	are taking more care in painting them	
	so are more attractive.	
	① This can be solved by putting up	
	clear signs to remind visitors	
	② Stone footpaths can be built to so	
	that there is less erosion and tourists	
	stick to them	
	③ The tourists can keep their dogs on	
	leads in sheep areas.	
6.	Latitude affects average temperatures	
	as places such as London which are	
	closer to the equator as they are more	
	Southern, means they are warmer.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Aspect affects temp's as well, as a	
	southern facing slope will have more	
	concentrated sun rays, compared to	
	northern facing slopes, so will be warmer.	
	The Distance from the sea affects	
	temperatures too, since places nearer	
	the coast will have cooler summers	
	and warmer winters. This is due to the	
	land and sea responding ^{differently to the heat} ; the sea	
	warms and cools slowly. Places near coast are	
	Altitude also affects temp's in the UK	
	as places higher up will be colder. This	
	is because the air higher up ^{has} lower	
	pressure.	
	7. Stirling is located just before the	
	approaching warm front, so will be	
	experiencing light cirrus clouds	
	and warmer temperatures. As there	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>is less clouds, there will be less rain, so conditions will be dry, at 8am.</p>	
	<p>As the warm front will pass over at around 10am, Stirling will be in the warm sector and experience warm temperatures with some showers from lower clouds.</p>	
	<p>As the depression advances the the cold front will be passing (around 2-3pm to 4pm) and there will be heavy torrential rain due to the cumulo-nimbus clouds. Temperatures will drop and it will become very cold.</p>	
	<p>There are likely to be strong winds coming from a westerly direction, as in a depression winds blow anticlockwise. However, as the cold front long passes the clouds slowly disappear and the whole cycle repeats in the</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	approach of another depression.	
8.	A - 6.25 km	
	B - 3.75 km	
	C - 8.25 km	
9.(a)	Area X is the CBD because of the	
	many black-rimmed buildings which	
	indicate public or civic buildings,	
	commonly found in the CBD. There is	
	little open space and this is due	
	due to the expensive land which is	
	to make use of all the accessible land,	
	which is competitive for.	
	Area Y is the suburbs due to the fact	
	most of the area is taken up by	
	housing. The irregular shape of	
	the roads and housing pattern	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>indicates private housing, which is likely to be detached owner-owned homes. The area is not as densely packed as the CBD, due to land values being cheaper further away as there is less competition.</p>	
9.(b)	<p>In grid square 5309 the land is very flat in relief, shown by the widely spaced contour lines, and this is good for building, as machinery can move easily and the super market can be flat. At GR: 533 095 there is road that joins onto the main road A470, which directly goes into the CBD. This means that there the area is easily accessible for people to go to. Nearby, at GR: 5308 there is lots of housing area, which will provide the new supermarket</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	with customers and also employment to work at the super market.	
	However more negatively, a disadvantage is that the nearby road will cause lots of air pollution which is bad for people's health. This also adds the road has good CBD access so will provide competition for the CBD shops for customers.	
	Another advantage is that the land there is a lot of land for expansion, as there is lots of open space, so the super market can grow and develop into a well-known area which lots of customers will be attracted to.	
	Also land is cheaper, so the builders will earn more income, since this land is far from the CBD.	

ENTER NUMBER OF QUESTION	<u>Edinburgh</u>	DO NOT WRITE IN THIS MARGIN
10.	<p>The old tenement houses has been renovated, as they previously lacked basic amenities such as running tap water and indoor toilets. People enjoy living in these as they are close together so lots of social advantages.</p>	
	<p>There were the demolition of high rise buildings as they were bad condition, suffering from damp and didn't have ^{had} social isolation. This was because they were built in such a hurry.</p>	
	<p>New shopping centres have been built like the Gyle and they replaced old factories which the tenements worked at. This improved the area and provided a the recreational area for local residents as well as others.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	The areas of waste land was also	
	renovated into parks to provide	
	recreational areas.	
	In Leith, the area was renovated by	
	building new flats and restaurants	
	which attracted young adults and	
	gentrification.	
	The new supermarkets also provided	
	employment for the residents living	
	nearby and this reduced was	
	unemployment rates.	
11.	<u>India</u>	
	Increased technology such as building	
	water dams have benefitted farmers,	
	as this creates a reliable water	
	supply so the farmer can have 2-3	
	harvests per year, earning more income.	
	The new recent change of polythene	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	greenhouses, have allowed farmers to	
	be able to control the climate of the	
	crops so they are more successful and	
	more harvests per year.	
	GM crops have allowed there to be more	
	yields of outputs to feed all the	
	hungry people. They are more resistant	
	to pests and can tolerate bad soil	
	quality and droughts, so more yield.	
	Increased technology of the landscape	
	means that chemicals can be applied	
	more precisely using satellites and	
	laser levelling reduces soil erosion.	
12.(a)	The highest Gross National Incomes	
	in 2015 with > 4.93 billion US\$ are	
	in the USA, India and China.	
	Countries that are more developing	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p style="text-align: center;">GN Income</p> <p>have lesser money at < 1.06 such as</p>	
	<p># areas in Africa, the western coast</p>	
	<p>of Brazil and some parts of western</p>	
	<p>Europe.</p>	
	<p>The UK, France and Northern Canada</p>	
	<p>have $1.06 - 2.74$ Trillions US\$, which</p>	
	<p>is moderate.</p>	
	<p>Russia and the North-Eastern area of</p>	
	<p>Brazil are at 2.74 $2.75 - 4.93$</p>	
	<p>trillions US\$ in 2015.</p>	
12.(b)	<p><u>% of people who can read and write</u></p>	
	<p>This indicator shows the level of</p>	
	<p>development because places which</p>	
	<p>are more developed will have more</p>	
	<p>money to spend on education for</p>	
	<p>the population. Poorer more developing</p>	
	<p>countries do not have lots of</p>	
	<p>income to spend on education so</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
15.(a)	<p>The greatest damage was in 2011, with costs of around 350 US\$ millions. This amount is seven times greater than in 1990 at 50 US\$ millions. From 1990-1994 the damage slowly increases from 50 to 75 and then in 1995 there was a greater increase to about 150 million US\$. The majority of natural disasters is at 60 million US\$.</p>	
	<p>The greatest difference is in 2010 and 2011, where the difference is about 210 million US\$.</p>	
	<p>Overall the damage is not consistent, showing natural disasters are spontaneous and different. This also reflects the wealth of a country when they respond to it.</p>	

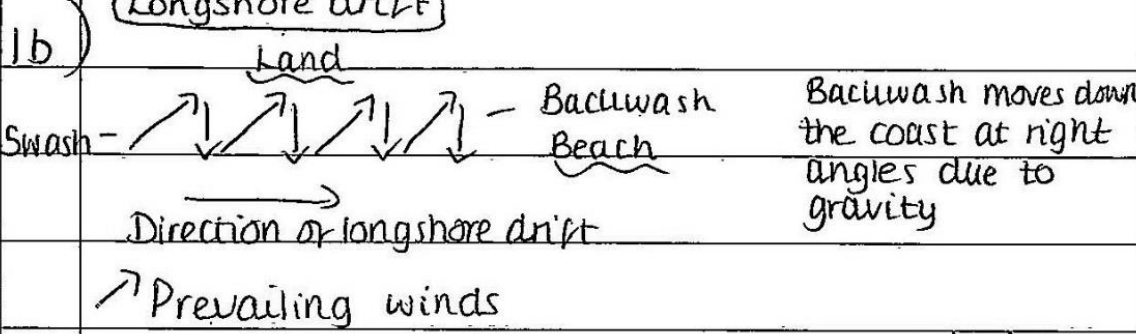
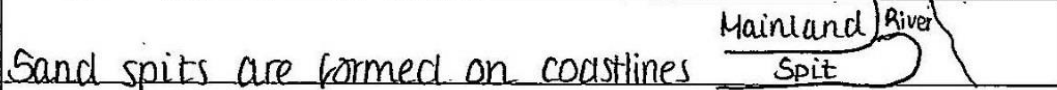
ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
15. b	Eyjafjallajökull, Iceland (2010)	
	The people had necessary ^{emergency} supplies	
	like ^{tinned} food, water and first-aid kits,	
	so they wouldn't starve in the event of	
	a volcanic eruption and could respond	
	to it.	
	Iceland had trained civil defense	
	personnel so the authorities were well	
	prepared and the evacuation only	
	took 3 hrs as a result.	
	The government had necessary	
	funds to respond to the disaster,	
	such as money for search and rescue	
	and also for rebuilding collapsed	
	levees and roads.	
	levees were built to channel water	
	and reduce the amount of flooding	
	from the melting glacier. This also	
	prevented flooding for future eruptions	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Gas samples were taken to measure the sulphur levels; a higher content would be closer to the eruption	
	Iceland also prepared by setting up GPS satellite observation which detected movements and tremours in the volcano.	
	The tremours were caused by magma moving through the crust.	
	Iceland residents evacuated people to safety, so they were far away from the eruption.	
	Livestock and cattle were rounded up and put indoors.	
18.a	The Southern area of Africa has the highest HIV/AIDS infection at >10%. Most countries and areas such as Australia, China, Western Europe and the USA have relatively low rates at	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>< 1%. These places are more developed</p>	
	<p>countries and areas. Africa has the</p>	
	<p>greatest continent range of rates.</p>	
	<p>Egypt has a 1-5% rate. Most of</p>	
	<p>the ^{2nd} upper north ^{area} has a 1-5% rate.</p>	
	<p>Norway and Switzerland has a low</p>	
	<p>rate of > 1% since they are developed</p>	
	<p>countries.</p>	
18.b	<p>HIV / AIDS in developing countries</p>	
	<p>reduces / lowers the life expectancy</p>	
	<p>as this disease is generally developed</p>	
	<p>in the 20/30s so there is a shortage</p>	
	<p>of adults. A lowered life expectancy</p>	
	<p>means the country becomes less</p>	
	<p>developed.</p>	
	<p>The government has an economic</p>	
	<p>stress as not only do they have less</p>	
	<p>people available to work but they</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	have fewer amounts of money to spend on things like education, due to the country's expense being spent on preventing the disease.	
	In addition, development levels also fall as there is not enough money for development.	
	The tourism sector also decreases, as less people wish to visit a disease-ridden area, so there is a huge loss of income.	
	Children become less educated as they miss out on schooling, due to the fact that they have to stay at home to look after relatives suffering from HIV/AIDS.	
	Due to fewer economically active adults, employment rates decline and unemployment rates increase. Now	

Candidate 4 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
1a)	827694 - Arch	
	812681 - Stack	
	843662 - Sand Spit	
1b)	<p>(Longshore drift)</p>  <p>The diagram shows a coastline with 'Land' above and 'Beach' below. 'Swash' is indicated by arrows pointing up to the beach at right angles. 'Backwash' is indicated by arrows pointing down from the beach at right angles. A horizontal arrow below the beach points to the right, labeled 'Direction of longshore drift'. A diagonal arrow above the beach points to the right, labeled 'Prevailing winds'.</p>	
	<p>Backwash moves down the coast at right angles due to gravity</p>	
	<p>Sand spits are formed on coastlines</p>  <p>The diagram shows a 'Mainland' on the left, a narrow neck connecting to a 'Spit' on the right, and a 'River' flowing into the spit from the right.</p>	
	<p>which change direction. Longshore</p>	
	<p>drift transports materials such as sand and</p>	
	<p>gravel along the beach. This material builds up</p>	
	<p>and forms a sand spit once it has risen above</p>	
	<p>sea level. It extends further than the coast</p>	
	<p>though sometimes cannot go any further</p>	
	<p>due to river estuaries. Waves cannot reach</p>	
	<p>the area behind the spit[™] so marshland</p>	
	<p>may develop as the land becomes drier.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
3	A - Forestry B - Halladale River	
	C - Electricity Transmission Lines	
4	This area is suitable for recreation/tourism	
	because there is a caravan site in 888643	
	for tourists to stay in. Tourists can relax and	
	go for walks at 883658. They can go cycling	
	alongside the A836 which is also also gives	
	tourists easy access into the area. Tourists	
	may go swimming in one of the many lochs,	
	such as Loch Balgill. This area is suitable	
	for farming because hill sheep farming	
	because the land is high and steep. Sheep	
	are hardy animals that can withstand the	
	cold and harsh conditions of mountainous	
	regions. This area is not suitable for arable	
	farming because the land is steep meaning	
	it is difficult and dangerous for farmers to	
	get machinery up. Steep land does not have	
	many nutrients in its soil.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
5	<p>In Loch Lomond, a Glaciated Upland, traffic problems between farmers and tourists can be managed by building car parks away from town centres which eases congestion in small towns. Cycle paths have recently been built to discourage people from using their cars but also to promote a healthier lifestyle. To combat problems with tourists and farmers on the farmer's land, styles have been built for tourists to climb over instead of damaging hedgerows and walls. The Scottish Outdoor Code was published giving people advice on taking their dogs into farms to prevent sheep worrying. Signs have been put up along paths to discourage tourists from dropping their litter and to direct them to nearby bins.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>Roads have also been widened and upgraded as more tourists visit small towns as they were not suitable for large amounts of traffic. Public transport links have been improved in the area to encourage people to visit^{use} alternative methods of transport in the area.</p>	
6	<p>Places nearer the equator are warmer, such as South East England because they receive more heat from the sun. The sun's rays are more concentrated as they have less atmosphere to pass through. Places higher in altitude e.g. Northern Scotland are colder because temperature decreases by 1°C for every 100m in height. Places that face north are colder as they receive freezing winds from the North Pole. The west of the UK is generally warmer because the North Atlantic Drift brings warm</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>water. The sea takes longer to heat up than land, meaning areas inland are warmer in summer, though longer to cool down than land, meaning places near the sea are warmer in winter.</p>	
7	<p>There is a warm front approaching Stirling which will bring steady rain. The nimbostratus clouds may cause skies to go dark as the clouds are thick. Once the warm front has passed over, Stirling will be in the warm sector. There may be some drizzle or intermittent showers. There will not be a lot of wind as the isobars are far apart. A cold front will then pass over Stirling which will bring heavy rain. Temperatures may decrease as the cold front brings cool air from the Atlantic.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
9b	<p>This land is away from the city centre meaning it will be cheaper. It is also flat which will make it easy to build on. There is lots of open space giving the supermarket lots of opportunities for expansion in the future. However, there are no nearby main roads, only minor narrow roads which means customers will not have easy access into the area. This could mean the company will not make as much profit than if they were in another area. There are no nearby bus or train stations making it difficult for those who rely on public transport. Nearby electricity pylons will mean there is an easy and quick electricity supply.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
10	<p>In Glasgow's inner city, the SECC was built to promote tourism in the city through music events and businesses. Former public buildings and and warehouses have been converted into modern flats and which are attractive to people looking to have quick and easy access into the CBD. The Clyde Arc was built over The Clyde to give people more access throughout the city. It has a cycle lane to promote healthier lifestyles. In areas such as the Gorbais derelict tenement flats/terraced housing was replaced by Glasgow City Council with new and improved housing which improves the standard of living for people. Services such as schools and hospitals were upgraded to improve health and attempt to get people out of poverty.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>11 Increased technology</p> <p>In the Ganges Valley in India, machinery has helped farmers as work gets done quicker and more efficiently, which increases crop yields. This also means there is less 'back breaking' work for farmers women which improves health. Chemical run off may pollute nearby rivers which threatens animal habitats and decreases the amount of drinking water available. Algae may then grow which starves the river of oxygen and may kill wildlife e.g. fish.</p>	
	<p>GM Crops</p> <p>GM Crops are suitable for monsoon seasons as they are taller in height and can withstand strong winds, meaning less crops are lost which helps to feed an expanding population.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	People are wary of their use because the long term health effects are not known.	
12a)	The 'Rich North' have the highest Gross	
	National Incomes (GNI) in the world in	
	countries such as Africa and South	
	America have the lowest Gross National	
	Incomes (GNI) of <1.06 Trillion \$ with the	
	exception of Brazil which has a GNI of	
	2.75 - 4.93 Trillion \$. America, China and	
	India have the highest GNI in the world	
	of > 4.93 Trillion \$. Eastern Europe have	
	lower GNIs of <1.06 Trillion \$ compared	
	to Western Europe which generally has	
	a GNI of 1.06 - 2.74 Trillion \$ with the	
	exception of Germany which has a GNI of	
	2.75 - 4.93 Trillion \$.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>that many people are instead employed in other industries e.g. machinery which indicates that a country is developed. A high percentage indicates a poorer country as people are self-sufficient or farming.</p>	
13a	<p>Overall, greenhouse gas emissions have increased worldwide between 1990 and 2010 from 34 000 million tonnes to in 1990 to 46 000 million tonnes in 2010. There was a slight increase in Carbon Dioxide (CO₂) emissions from 25 000^{million} tonnes in 1990 to 26 000 million tonnes in 1995. This increased again from 27 000 million tonnes in 2000 to 35 000 million tonnes in 2010. In 1990, nitrous oxide emissions increased slowly from 34 000 million tonnes to 37 000 million tonnes in 2005.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
13b	<p>Volcanic eruptions are a cause of climate change as when the volcanoes erupt, ash and cloud is thrown into the atmosphere which blocks out sunlight and causes global temperatures to decrease.</p>	
	<p>Methane causes climate change because when cows 'belch' they release methane which is a greenhouse gas, so contributes to global warming. Humans Beef is a large part of our diet, so many cows are bred to keep up with the large demand which further contributes to climate change.</p>	
	<p>Sun spot activity is not causes climate change because as the sun emits more energy, the earth receives more heat causing global temperatures to increase. This is known as the Milankovitch Theory.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>The orbit of the earth affects its climate as when the earth gets closer to the sun, it receives more heat energy, and when it gets further away it receives less, causing global temperatures to decrease.</p>	
	<p>People are using more cars which releases nitrous oxide into the atmosphere and contributes to global warming.</p>	
	<p>Deforestation causes climate change as there are less trees to absorb carbon dioxide, which is contributes to global warming and causes global temperatures to increase.</p>	
	<p>Ocean currents can cause climate change as heat is transferred from the equator and cooler energy from the poles. For example, the North Atlantic Drift makes</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
14a)	

the West or the UK warmer.

14a) Land lost to deforestation has increased slightly from 1.2 billion hectares in 1900 to 6 billion hectares in 2010. The world's population has rapidly increased from 0.9 billion in 1900 to 6.8 billion in 2010. In 1910, the world's population slowly increased from 1.9 billion to 3 billion in 1960. It then rapidly increased from 3 billion in 1960 to 6.8 billion in 2010.

14b) In the Tundra, vegetation has begun to grow closer together to withstand cold conditions and to grasp lots of soil nutrients. Vegetation now has protective layers such as woolly seed covers to ensure survival as the conditions are very cold. There is cotton grass to blend in with the white, snowy

Candidate 5 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
2a	893618 = Oxbow lake	
	883627 = v-Shaped valley	
	895589 = meander	
b.	River water causes lateral erosion, erosion	
	takes place on the outside of the bend	
	as the water flow is fast and therefore	
	has more energy. Deposition takes place	
	on the inside of the bend because this	
	is where the water flow is slow so it	
	has less energy to carry materials. The	
	river water undercuts the bank forcing the	
	meander to migrate to the left. Due	
	to the slow flow on the inside the	
	deposition causes a river beach to build	
	up. This is how a meander is form -formed.	
3	A: Forestry	
	B: Halladale River	
	C: Electricity transmission lines	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
4.	<p>Tourism: This area is suitable for tourism as it provides a camp/caravan site at grid reference 88442 889642. It also has a pier that features a footpath in the North East (883659) this allows tourists to enjoy the views of the ocean or take pets for a walk. Hillwalking can also be done in this area, in box 8360 the contour lines are very close together and provide a steep journey for tourists.</p> <p>Forestry: There is a lot of suitable places for forestry as, for example box 8163 the land is not too steep. This is useful as it is difficult to plant trees on very steep land. In box 8156 it would be suitable due to being distanced from settlement, this means any noise is caused by</p>

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
5.	

~~to~~ deforestation will not be heard
due to the distance of 8km.

5. ~~The~~ Upland limestone landscape. In Muller
the conflicts are between farming and
tourism. To prevent these conflicts farmers
could choose to make signs directing
tourists not to climb on the walls as
this destroys ~~the~~ their fencing. To prevent
footpath erosion caused by tourists on the
farmers land, the government could look
into creating ~~foot~~ footpaths for tourists to
follow, this may rid the farming industry
of tourists altogether. Tourists dogs
often scare the farmers sheep, this could
be stopped by keeping sheep in a
separate field (if possible) or in shelter
during tourists visiting hours. To halt
tourists consistently bothering farmers
routines the government ~~E~~ could look into

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>making the area accessible to tourists in seasonal stages rather than any time of day, everyday. As for the noise pollution of disruption caused by tourists the farmer could look into planting trees around the farming area as this may help block out or minimise the sound travelling to the the farm.</p>	
6	<ul style="list-style-type: none">• Relief of the land determines how hot or cold an area is. For every 100m the temperature drops by 1°C. So highlands would be much colder than lowlands.• How close an area is to the ocean. Areas found close to the sea tend to be warmer than those found in the city.• Air masses, if the wind is coming from 5 separate directions the temp temperature can vary. If the wind is	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>as this occurs when cold air meets and warm air meet. Stirling is near an area of low air pressure so this means heavy cloud cloud coverage will follow. this is associated with rain as due to the process of ROCR (rise, cool, condense; rain). Rise, cool, condense</p>	
8	A = 6.25km	
	B = 3.75km	
	C = 8.25km	
9a	<p>Area X is the CBD because surrounding the CBD is usually all of the main roads; this is where they meet. In Oxford the A4165 and A4144, A420 and A4158 meet; this ^{shows} signifies the CBD area. Information centres for tourist are located on the map, this is shown at S16068. Area Y is the suburbs because in this area is is new housing is</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>The noise could disrupt from the idea of peace and quiet. During construction of the centre traffic congestion may occur due to the builders travelling to the area during and night, the A40 may be the the chosen route, this road would be very busy as is.</p>	
10	<p>Low quality housing in Aberdeen in the inner city was changed, and security and double glazing has been added to homes this is to attract more buyers to the area. The Satsphere was added to attract tourists to spend money in the city, it is also provides jobs to locals. Car parking facilities were added due to the increase of people working or needing cars. New high rise flats were built near Albany Road to supply homes for the increasing number of students.</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>moving to the area. Places like transition extreme have been built to encourage money to be spent by locals / tourists as well as providing job opportunities.</p>
11	<p>Technology such as combine harvesters have been used recently in developing countries, this machinery reduces the amount of labour work people do. The downside is that it is very expensive to own and repair, this could take a toll on the profits the farming industry make. make. Genetically modified crops can cause stom damage to the soils and surrounding plants due to the chemicals in them. However is they are much better for the human body as no pesticide sprays are used on them to prevent insects from destroyed destroying / damaging them.</p>

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
12a	Almost all of Africa is below 1.06	
	trillion US\$. whereas all of Russia is	
	between ^{2.75} 1.06 and ^{4.93} 1.06 trillion US\$ US\$,	
	this shows that Russia as a whole	
	is much more developed than Africa.	
	The United States of America is	
	above ^{trillion} 4.93 [^] US\$ gross national income	
	as well as Canada. These are the	
	wealthiest countries, as well as China,	
	worldwide (in 2015). South America's	
	gross national income is half and	
	less than half of North America.	
	than Mexico is at below 1.06 trillion	
	dollars. The UK's national income is	
	between 1.06 and 2.74 trillion dollars.	
	b. Number of births per 1,000 women per	
	year shows ^{how} the developed a country is.	
	If the number is high, this shows	
	a developing country. Due to the lack	

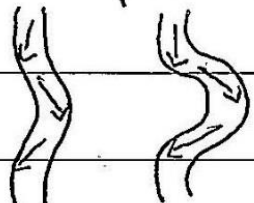
ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>of care homes women choose to have a lot of children. so when the parents are older the children can take care of them. In a developed country women ^{tend to} choose careers first and family later so the number of births are lower. The Average income per person per year, if this is high £ it shows a developed country; businesses are more likely to build in technologically advanced areas resulting in a lot of workers. In developing country the income would be much lower due to the increasing number of shanty towns. There are not businesses little to no large businesses in these areas therefore the income is immediately lower.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
14a	<p>Between 1900 and 1960 both the population and land lost to deforestation increase at a steady pace. The population increased by 1.2 billion and the land loss increased by 0.31 ^{0.31} billion hectares. In 1995 the population of the world overtook the land loss. In 2010 the world population reached 7 billion, over the course of 110 years it increased by 5.2 billion people. The land lost to deforestation reached 1.8 billion hectares in 2010, this increased by 0.61 billion hectares over 110 years.</p>	
14b	<p>Vegetation adapted to the Tundra by having short roots so the plants or damaged don't get trapped in the permafrost. The temperature to grow plants for plants to grow is at 6°C. So when the weather reaches this temperature the</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>plants start growing. As the Tundra is referred to as a cold desert this means there is very little rain, vegetation adapts by soaking up melting ice/snow. If plants grow together in this location it is easier for the plants to find water as the roots are spread out further.</p>	
15a	<p>The highest amount of damage was in 2011 with a at estimated value of \$360,000,000. The lowest damage was in 2001 with \$25,000,000. This shows the range in damage is of \$335,000,000. Around every 5 years the damage cost is much bigger than the previous 4 (1995, 2001, 2005 and 2011): it wasn't until 1995 the total damage reached over \$100,000,000. Most of the years damage cost is</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
156	
<p>below or slightly above \$50,000,000.</p>	
<p>Before Mount St Helens erupted</p>	
<p>an exclusion zone was established</p>	
<p>around the volcano. This zone was</p>	
<p>where the volcano was predicted to</p>	
<p>erupt, however 90% of the people who</p>	
<p>died were outside this area. People</p>	
<p>in this area were warned by the</p>	
<p>government/news to evacuate. When</p>	
<p>Food was rationed rationed to the local area</p>	
<p>to prepare for ^{the} destruction of homes.</p>	
<p>When something like an eruption occurs</p>	
<p>it is sensible for everyone in the</p>	
<p>area to wear goggles and masks so</p>	
<p>the ash from the volcano does not</p>	
<p>enter peoples eyes or mouths. Any</p>	
<p>vegetation planted should be removed</p>	
<p>prior to the eruption in case the</p>	
<p>ash/lava destroys them.</p>	

Candidate 6 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
2a	893618 893618 - ox-bow lake	
	883627 - v-shaped valley	
	895589 - meander	
	b. A river flows round a bend and the	
	fastest water flows on the outside bend.	
	This has the most energy, so erodes the	
	(by hydraulic action) outside bend and river's floor, creating a	
	river cliff. The slower flowing water has	
	the least energy and flows on the	
	inside bend. Deposition of rocks and sand	
	takes place here, creating a river beach.	
		
	3. A = forestry B = track	
	C = Halladale River	
	4. recreation / tourism -	
	*** There's a campsite that tourists could	
	stay at, at 889643.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	There's a forest that they go for walks in.	
	There's a walk to do at 883659.	
	There's a picnic site at 794638.	
	There's bays along beside the sea to visit.	
	Farming -	
	There's some steep land, suitable for hill sheep farming, as sheep can live in steep areas. (1)	
	There's some flatter land also that could be used for arable farming, with as machinery could ^{could} operate here.	
5	On river + valley landscapes, farming could be in conflict with recreation and tourism. Tourist's dogs could scare sheep, so farmers could put up signs, asking them to keep dogs on leads. Tourists may litter and farm animals can choke on it, so you can place bins round the area to to encourage people to put litter in them. Tourists may:	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
<p>be loud and scare animals, so you could make paths go further away from farms. Farms may take up a lot of space so there's no room for tourist activities, so you^{they} could make an agreement to split the land equally. Tourists may trample on farmers' crops, so they could be make paths around the farm.</p>	
<p>6. Distance from the sea - Places that are more inland will be warmer than those on the coast, as they don't get the cold winds carried by the sea.</p>	
<p>Aspect - Hillsides facing moist winds will get more rain. Also places facing north will be colder than those facing south, as they are sheltered from the sun.</p>	
<p>Relief - Places higher up are colder, as you lose 1°C for every 100m increase in height, on average.</p>	
<p>Latitude - Places up north ^{of the UK} are colder than</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>those down south, as the sun's rays have further to travel. Places along the equator are warmest, as the sun's rays are most concentrated here.</p> <p>7. Stirling will become warmer as a warm front is approaching, bringing warm winds. It will start to rain as the warm front passes, as fronts bring rain. It will become more windy as the isobars get closer together, which means there's strong winds*. Temperatures will drop as the cold front passes because cold fronts bring cold temperatures*. It will stop raining between the warm and cold front, and then start again as the cold front passes, as it only rains on a front.</p>
8.	$A = 6.25 \text{ km}$ $B = 3.75 \text{ km}$

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	people. It's not a busy area so you	
	would only see it driving past.	
	* There's no more other shops round about to	
	compete with.	
10.	In Glasgow, they have knocked down old	
	industry / derelict buildings to make space to	
	build new things like BBC / the Hydro / SECC.	
	This attracts more people to the area.	
	Businesses have moved here because there's	
	plenty space with room to expand. Also it's	
	there's a cheaper land value than the	
	CBD. And the clean, quiet environment	
	also attracts highly skilled workers.	
	Shopping centres are being built here	
	also, as it's close to the CBD city for	
	people to to easily travel to. Main roads	
	come here so it's easy to transport goods.	
	They have also built new, expensive	
	flats on the waterfront, to attract	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	more people to the area.	
11.	GM crops make crops resistant to disease, meaning a higher yield. This is good for food production. It also means crops can survive on less water, allowing 2 harvests per year, instead of one. Increased technology for eg. donkey ploughs, make it faster to gather in crops. It also means farmers mean don't need as many workers so have to pay less wages, but also means unemployment is an issue. fish cages Fish cages in padi fields give farmers protein in ^{GM crops} their diets. Also boards being used means less pesticides + fertilizers are needed which is better for the environment.	
12a.	African countries eg. Sudan/the Congo, have ^{total gross} the lowest income, at less than \$1.06 trillion. Australia has higher incomes at \$1.06 - \$2.74 trillion. Brazil's income is	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN

\$ 2.75 - \$ 4.93 trillion, along with Russia.

And India and the USA's income is more than \$ 4.93 trillion.

b. % of people who can read and write -

This shows ~~about~~ ^{if} the education systems in countries ~~are~~ improving by showing what % of the country is educated. It also shows ^{if} the unemployment rates will ~~decrease~~ decrease, if more people are getting educated and can get jobs.

Average income per person per year -

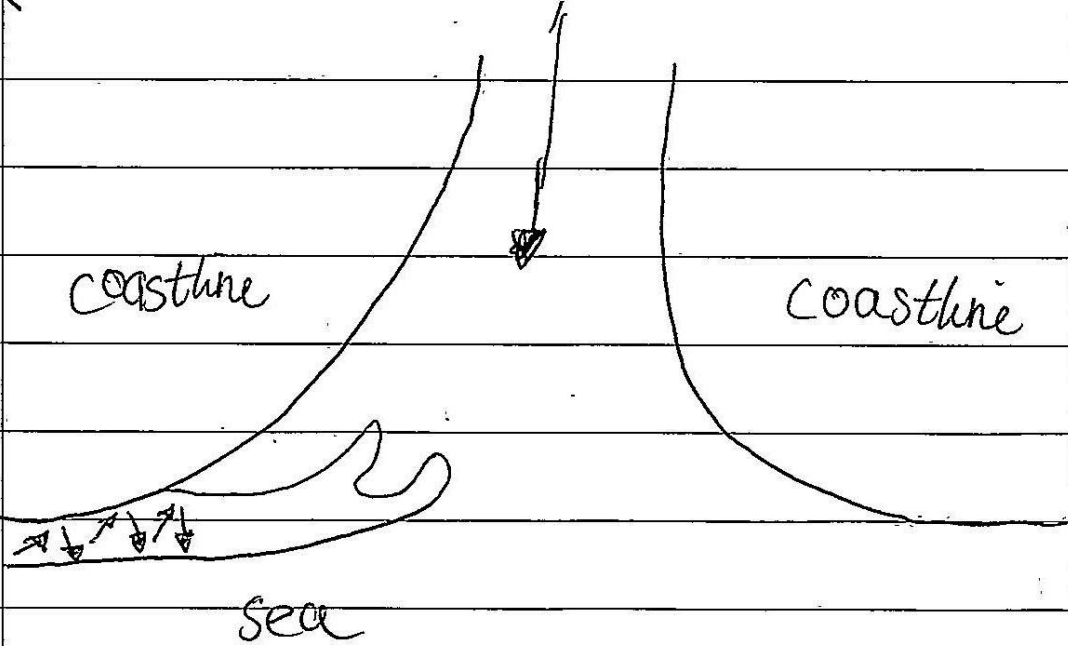
This shows ^{if} poverty rates ^{things like} in the country are increasing/decreasing and ^{if} hunger/starvation can decrease. It also shows ^{if} ^{because} the education systems are improving ^{if} people get better income, they can get better jobs and receive better wages.

17a. World heritage sites facing threat from tourism are mainly spread across the

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	equator. Britain only has one world heritage	
	site facing threat from tourism. There	
	isn't any in Australia, China or India. Africa	
	is the continent with most world heritage sites	
	facing threat from tourism. South America	
	only has 3. And there's a few in Europe.	
	b. In the Caribbean,*	
18a	Australia had less than 1% of adults infected ^{infected}	
	by HIV in 2013. South Africa has less	
	than 10%. China had less than 1% infected.	
	The UK also had less than 1% of adults	
	infected. And Brazil and Argentina had less	
	than 1% of adults infected by HIV.	
	b. The populations of developing countries would	
	decrease if many people were infected ^{infected} .	
	People may not want to have children, at the	
	risk of getting infected ^{infected} . There is poor	
	health care so people wouldn't get access to	
	medication to fight it. Things like antibiotics	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	contraceptives are less freely available, so	
	it would spread quickly. There's no education	
	programmes on how to prevent it, so people	
	don't know. People may be too ill to fill	
	jobs like teachers so children can't get jobs	
	creating poverty/hunger. Farmers may be too	
	ill to gather in crops so food production	
	would decrease, leading to starvation, so the	
	population would decrease.	
	b. ^{Safari bus} people ^{drivers} could follow routes to prevent	
	animals from being disturbed. Tourists could	
	be more environmentally managed conscious.	
	They could preserve water.	

Candidate 7 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Question 1	
	(a.) 827694 - Arch	
	812681 - Stack	
	843662 - cliff	
	(b.)	
	river estuary (mouth)	
		
	Swash is sand/shingle that carried	
	up a beach by waves, normally	
	in the same direction as the wind	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	S.W. It is then carried back	
	out to sea at right angles	
	under the force of gravity.	
	This zig-zag movement of	
	materials is called longshore	
	drift. When there is a	
	sudden change in the	
	coastline, the build up of	
	sand continues to stretch	
	across the bay as it is	
	in a calm and sheltered	
	area. This is known as	
	a spit, a sudden	
	change in the wind direction	
	can cause hooked ends.	
	A spit stretches across	
	the bay and attaches	
	to opposite coastlines, this	
	then forms a sand bar.	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN

Question 3.

A - forestry

B - Halladale River

C - electricity transmission
lines.

Question 4.

Forestry is ~~su~~ at 814592
is suitable here as coniferous
trees can be planted in
poor, thin acidic soil. Forestry
is also suitable here because
the land is steep and so
it is hard to grow crops
as there is little sunlight
the ripe the crops. Also
forestry is suitable here because

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	as they don't want to waste valuable flat land which would be used for building and growing crops.	
	Farming is suitable here	
	Tourism is suitable here as there is a car park at 837658 which means tourist can park there cars and go for a nice walk down the beach.	
	Tourism is also suitable here as tourist can go and admire the beautiful scenery like for example the arch at 827694.	
	Lastly tourism is suitable here because there is a footpath at 876660	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	and runs for miles so tourists can do some exercise and walk their dog.
	Question 5.
	In the lake district there is conflict between farmers and tourists as tourists drop their litter and the animals eat it and die, and the farmer has to pay money to get the body away. To manage this bins ^{could be} are placed at the entrance of the fields so that tourists won't drop their litter. There is also conflict between the farmer and tourists as when tourists let their dogs off the leads

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>and the dogs scare the sheep and the sheep could that ^{have a} miscarriage. This is called dog worrying. To manage this there could be signs around warning/telling people to keep their dog on the lead. There is also conflict between tourist and local people as tourist park right in front of people local people's house, blocking them in. To manage this you could build big car parks to prevent people parking in front people's house and to. There is at conflict between tourist local people and the mulerary. As the</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>military makes loud noises when practicing guns shooting. To manage this the army could do it up in the hills as people will not be able to hear them.</p>	
	<p>There is conflict between tourists and farmers also as tourists leaves the gates open and the sheep can escape. To manage this you could have gates that swing back to close. There is conflict between quarrying and local as the local people say that a quarry is an eye-sore. To manage this you could plant trees around the quarry</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>to try and hide it and</p>	
	<p>after you have finished ^{the} quarry</p>	
	<p>fill it back up with with</p>	
	<p>soil. Lastly there is conflict</p>	
	<p>between fishers and ^{because} bay people</p>	
	<p>who do water sports</p>	
	<p>as they the people who</p>	
	<p>do water sports makes</p>	
	<p>a lot of noise and scares</p>	
	<p>the fish away. to</p>	
	<p>manage this you could</p>	
	<p>have zones so people</p>	
	<p>who are doing water</p>	
	<p>sports are not allowed in</p>	
	<p>certain areas and so</p>	
	<p>they don't scare the</p>	
	<p>fish away.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>Q6. The factors that affect the average temperature is that weather from other countries are brought to the^{us, e.g.} as the artic brings very cold temperature. The tropical marine brings warm and wet^{dry} conditions. The Artic continental brings cold and wet conditions. Tropical Marine brings warm and wet conditions to the UK which affects the average temperature in the UK. Also depression can affect the average temperature in the UK as under the warm front sector it is dry and warm but</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>Q7. Right now is Stirling is before the warm front so it will never not be quite cold but the is there will be a few ^{high} wispy clouds, There will be a gentle breeze. The air pressure will start to fall and it will be dry. However in 24 hours the Stirling will be after the cold front as depressions last 24 hours. So the air pressure will now increase, The clouds will now clear (depress). There will be showers of rain. Winds will an decrease (level off) and the ^{the} temperatures will be colder.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Q8. A - 6.25 km	
	B - 3.75 km	
	C - 8.25 km	
	Q9. (a) Area X is the CBD because	
	it has two ^{two} museums in it	
	at 511067 and at 515069.	
	Area X is also the CBD	
	because there is ^{is} an information	
	centre at 514065. Area X is	
	also the CBD because all	
	the main roads meet up	
	together, and lastly Area	
	X is the CBD because	
	there are lots of churches	
	for example at 512063.	
	Area Y is the suburbs because	
	the roads are cul-de-sacs	
	which make it safer for children	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	Also area X is the suburbs
	because it has open space
	for example at 552023.
	Lastly area X is the suburbs
	because it has a leisure
	centre at 554026 554026,
	(b.) The advantage of building
	the supermarket at 5309
	is that there is
	a lot of land so it can
	expand or there is lots of
	room for car parking. Another
	advantage of building the
	supermarket at 5309 is that it
	is ^{at} in the edge of the
	city so the land will
	be cheaper as there is
	not as much demand for

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	the land. Another advantage	
	is that there are two	
	roads at 521000 ⁵³⁴⁰⁰⁰ and at	
	52 536000. So people will	
	be able to access it	
	very easily. Another advantage	
	of building shopping centre ^{super} market there is that there	
	are houses right next to	
	it ^{at} 528000 528000 so the	
	supermarket will be able	
	to get workers. A disadvantage	
	of building of building the	
	shopping centre supermarket is that	
	there is nothing next to	
	it,* so people won't just	
	go there for a supermarket	
	as there will be one nearby.	
	* for example other shops to attract more people.	

* for example other shops to attract more people.

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Another disadvantage to build	
	the shopper supermarket	
	there is farms farms are	
	near by so it will have	
	sheep and cows around it and	
	have dirty tractors blocking	
	the roads holding up the	
	traffic and it is kinda	
	in the middle of nowhere.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Questions 10.	
	In Glasgow the inner city	
	has changed as the high	
	rise flats they had built	
	was too dangerous so they	
	had to knock some down.	
	Also in the inner city there	
	are retail parks to try	
	and get people jobs as before	
	there were a lot of people	
	un-employed. They have also	
	built luxury apartments to	
	try and make the inner	
	city look attract people	
	to live in there. There is	
	also open areas with	
	open space e.g. park to try	
	and make the inner city	
	look nicer. They have also	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	it is alot safer for children.	
	Lastly there are more	
	lights in the inner city	
	to try and reduce the	
	amount of crime as	
	before for ^{example} Goven which is	
	in the inner city was known	
	that crime happened alot there.	
	Q11. The recent changes in	
	farming is the increased in	
	technology as this allows	
	the farmer to increase	
	his yeild. It also allows	
	the crops to be harvested	
	quicker so the crops are	
	alot more fresh. The farmer	
	also saves money from	
	buying ^{more} machinery as in	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
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	lights in the inner city	
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	alot more fresh. The farmer	
	also saves money from	
	buying ^{more} machinery as in	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>It is the future of food production as it can prevent starvation as crops can be bred to survive pest, drought, flood, weeds and more. Also GM crops increase crop yield and reduce the amount of chemicals such as fertilisers and pesticides used.</p>	
	<p>Q12. (a) In Argentina the Gross National Income in 2015 (total per country) is <math>1.06</math>. In UK the Gross National Income in 2015 (total per country) is $1.06 - 2.74$. In Austria the Gross National Income in 2015 (total per country) is $2.75 - 4.93$. Lastly in</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>China the Gross National income in 2015 (total per country) is > 4.93.</p>
	<p>(b) var of people number of births per 1,000 women per year shows the level of development in a country because in developing country the the number of birth per 1,000 women per year would be very high as children in developing country are needed to go out to work ^{to earn money} or work on the land. Also in developing country there is is high mortality rate, so they are hoping more children</p>

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	will survive. And in developed	
	country the number of births	
	per 1,000 women per year	
	would be low because	
	in developed countries people	
	are deciding to have	
	a career first rather	
	than have a family and	
	also in developed	
	countries people are not	
	more materialistic as they	
	would rather a new	
	car or go on a	
	holiday every year. % of	
	people working in agriculture	
	shows the level of development	
	in a country as in developing	
	countries more people work	
	on farms as there is limited	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	access to education so	
	then they work on a	
	farm. Also in developing	
	countries made export is	
	low-value primary goods e.g.	
	cotton so developing countries	
	rely on farmers as they don't	
	have enough money to use	
	machinery. And in developed	
	countries the % of people	
	working in agriculture would	
	be low as children need	
	to go to school until	
	16 years old. Also in developed	
	countries not many people	
	work on farms because	
	of the increase of	
	technology e.g. using machines	
	instead of people.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>Q16 (a) in The number of fair trade employees ^(thousands) working in Bananas saw stayed the same between 2013 and 2014 as there were 25,000 employees in both years. The number of fair trade employees (thousand) working in flowers and plants decrease as in 2013 there were about 52,000 in fair trade employees and it decreased in 2014 to about 49,900 employees this is a difference of 2,100 employees they lost. The number of fair trade employees (thousands) who worked in cocoa increased as in 2013 there were about 175,000</p>	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	<p>(b) Fair trade can help people because it guarantees a fair and stable price for the products that the farmer made. It also makes sure that most of the money made stays in the country, community so they can improve their houses or schools. Fair trade also guarantees a minimum price for the product so if the value went ^{for the} of product then the farmer will not lose any money. Fair is also guaranteed our reliable trade argument and this is often long term. Fair trade also makes sure that the</p>

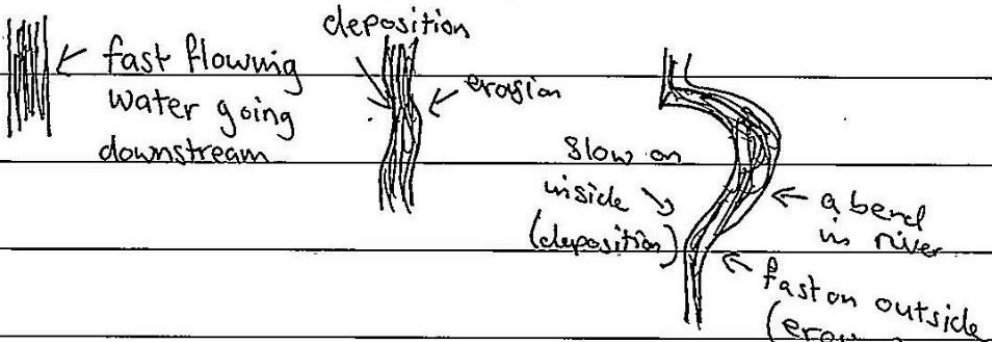
ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	(b.) continue	
	farmers and producers are	
	working conditions are safe	
	and living conditions are	
	decent. Fair trade also	
	makes sure that the product	
	was made with respect	
	to the environment. And lastly	
	fair trade guarantees that	
	no chemicals were used to	
	make the product. lastly	
	fair trade makes sure that	
	no force child labour was	
	used to make the product	
	so it allows childrens to	
	go to school.	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
Q18.)	(a)
In UK	the adult
HIV	infection rate by country
in 2013	was $< 1\%$. In
the North West	of Africa
The adult	HIV infection
rate by country	in 2013 was
$1-5\%$.	In the South East
of Africa	the adult HIV infection
rate by country	in 2013 was
1-5%	$> 10\%$.
(b)	The effect of HIV/AIDS
on the population	of developing
countries is that	the death
rate will increase	so this
will put pressure	on the health

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>care. This also reduces the working population so this means less people are working so less tax's are getting paid. So the Government doesn't get as much money as they used to. so they a can't improve local services such as schools.</p> <p>Also in developing countries can fall into a poverty cycle which is hard to break free from. The Government will have to spend more money on the hospital and medicines and for developing countries they don't have enough money to do this so they have to loan form the interational bank and then they are in debt.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Q18 (b) continue	
	Parents will have to choose	
	to look after relatives or	
	go out to work. And so if	
	they become a career and	
	give up their job the	
	Government will have to pay	
	them an allowance. This ^{also} shows	
	has an impact on the	
	GDP (economy) of the country	
	as it will decrease even	
	more. In if the country goes	
	into war then they will	
	not have many fit	
	troops to be for battle.	

Candidate 8 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
Q2a.	895589 - Meander	
	893618 - Ox-bow lake	
	883627 - V-Shaped Valley	
b.	A meander is a bend in the river	
		
Q3.	A - Forestry	
	B - Halladale River	
	C - Track	
Q4.	8864 - This is a good area for recreation/tourism.	
	This is because there is a campsite, this is good for	
	tourists who enjoy the outdoors and camping. Also the	
	hills are steep so it is good for hillwalking. There is	
	also a parking area for people with cars. 8360 - This	
	is good for hill sheep farming because the isobars are	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>tightly packed which means the hills are steep. This is is suitable because sheep are sure footed so they won't slip. Also it is colder and sheep are well adapted because they have a thick wool.</p>	
Q5.	<p>Farming is Tourism - Tourists leave gates open, this means sheep can run away. Tourists may bring dogs without a leash and this could disturb and scare the sheep especially during breeding seasons. Tourists can litter which the sheep might eat and choke. Tourists may be loud and scare the sheep while talking.</p> <p>Ways this can be solved is: tourists could remember to close gates when leaving or farmers could put on hinged gates. Also tourists could make sure their dogs are always on leash and quiet. Tourists can keep litter with them or farmers could put more bins for tourists. Also posters and signs could be put up so tourists don't litter. Tourists could try to be very quiet as to respect the farmer and sheeps.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
Q6	Latitude - Places closer to the equator are are warmer	
	whereas places further away are colder	
	Relief - High mountains areas are alot colder whereas	
	flat low-lying land is warmer.	
	Aspect - North facing places are colder whereas south-facing	
	places are warmer.	
	Distance from the sea - Closer to the sea sea is mild and	
	wet whereas further away from the sea is drier but more	
	extreme temperature.	
Q7.	Stirling will pass through the warm front first which	
	bring steady continuous rain. also bring The warm	
	front also brings nimbostratus clouds. Stirling will then go into	
	the warm sector which will bring a period of dry weather.	
	Stirling will then go through the cold front which bring	
	sudden heavy rain. It also brings cumulonimbus clouds.	
	Stirling is experiencing low pressure because the isobars	
	are spaced out.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
Q8.	C - 12.5 km	
	B - 6.25 km	
	A - 8.25 km	
Q9.	a - area x is is the CBD because there are many	
	museums for tourists to visit. There are also multiple	
	churches. There is a tourist information centre. ...	
	Area Y is the suburbs because there are curvy linear	
	streets. There is also cul-de-sacs. There is more	
	open space. ... It is far away from the CBD. It is in	
	the outer edge of the city.	
	b. It is easier to get to since it is further away from	
	the CBD. There is a lot of open space to expand since	
	it is at the edge of the city. The houses are far apart	
	which means it will be easier to build on. There is a	
	road ... beside it which means easy access. It is further	
	away from houses, so it will take long to get to. There are	
	no big main roads leading into it.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
Q10.	<p>Alot of low quality housing has been taken down and modern apartment have been built. The crown street regeneration project was done to get rid of all low quality housing. There was a lack of open space so flats were taken down and new high rise flats were built. Decided land has been built upon new tenements which are modern with sinks and and toilets.</p>	
Q11	<p>Increased Technology - There is alot less physical work and hard labour needed because of new machinery. This means less people have jobs which has higher unemployment.</p> <p>GM Crops - GM crops produce x6 more yield than other crops which means the farmer is making more profit. GM crops can survive the most extreme temperatures which means the farmer knows the crop will be successful. Scientists say that GM crops may be harmful to peoples health. They do not need fertilisers or pesticides which means the farmer is saving money. Only some farmers can afford new technology as it is expensive so the the poor farmers cannot</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	benefit from this:	
	Q12a. In China, Pakistan and most of America the gross national income is > 4.93 . In Australia and most of Canada it is between $1.06 - 2.74$. In Russia is the gross national income is between $2.75 - 4.93$. In most of Africa is it is < 1.06 .	
	b. Social Indicator - Number of births per 1,000 women per year.	
	If there is a high birth rate it means the country is developing.	
	This is because in developing countries more children are born because some die. Also there is no contraceptives or education. There is also no family planning so women tend to have more children.	
	Economic Indicator - % of people working in agriculture.	
	If there is a high % of the population working in agriculture it means the country is developing. Because in developing countries it is harder for farmers to be able to afford machinery.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
Q13.	<p>In 1990 the carbon dioxide emissions was at just under 25,000 million tonnes. The nitrous oxide and methane was also just under 35,000 million tonnes. In 1995 the carbon dioxide emissions increased to just over 25,000 million tonnes. The nitrous oxide emissions also increased to just over 35000 million tonnes. In 2005 there was a sudden increase in CO₂. It was over 30,000 million tonnes and the nitrous oxide and methane also increased rapidly to over 35 40,000 million tonnes. In 2010 the CO₂ emissions increase again to just under 35,000 million tonnes and the nitrous oxide and methane increased to over 45,000 million tonnes.</p>	
Q18a.	<p>In South Africa the infection rate is > 10%. In China and Australia the infection rate of HIV/AIDS is 5%. In other parts of Africa such as North Africa the infection rate is 1-5%. In east and West Africa the infection rate is between 6-10%.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>b. Most of the population in Africa can die because they have not been educated on safe sex and sharing needles. A mother can pass it to the fetus which means the baby would be born with aids. Most of the population in Africa have aids. This is the reason for lower life expectancy. People die at a young age since there they can't afford the medicine to manage it. It can stop people from working because they are so ill. It can cause a very high fever. This can result in a family not having enough money to live. Also it can kill people since their immune system is too weak this lowers the population since more people are catching it with no is cure.</p>	