



**Geography (Higher):
question paper 2 – global issues
and geographical skills**

Candidate evidence

Candidate 1 evidence

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
3	<p>One human cause of fossil fuels the climate change is use of fossil fuels. Use of fossil fuels an such as oil and coal produce CO_2 which causes climate change.</p> <p>Another human cause of climate change is ca mass cattle farming. This produce methane which from cow flatulence and manure and causes climate change when in atmosphere. for example there Another are about 1.2 billion cows on earth to contribute.</p> <p>Another human cause is deforestation. plants and trees turn CO_2 into oxygen so by cutting down trees not only are there less trees to take in CO_2, cutting down trees releases trapped CO_2 inside.</p>

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Another human cause is

b One possible impact of climate change is rising sea level. for example it is predicted that in 80 years the Maldivian islands will be underwater.

Another possible impact is ^{severe} temperature rises. for example Scotland is said to be put into another ice-age after climate change. Another possible impact is ocean acidification which would kill life in areas as the water is too acidic for them. for example, the

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great barrier reef is not expected to last much longer as it has already been seen to be shrinking.

Another ^{possible} impact is loss of habitat to animals. due to condition changes animals may move to search for a home ~~in~~ elsewhere. for example polar a natural polarbear-brown bear hybrid was seen for the first time ~~in~~ north america as the polar bear ~~is~~ had moved south due to habitat destruction.

Another ^{possible} impact is drought. drought has been seen to increase across north africa in recent years with continual growth.

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5 the proposed location is suitable due to it being on the ~~so~~ edge of the Kent channel GR429648 since it intends to be "focussing on sea life and the marine environment"

The proposed location is suitable due to it being about 0.15km from the A589 which is a mainroad so the site is already well connected, they don't need to build new roads

The proposed location is suitable as it is about 25km from Lancaster (diagram Q5B) which is a large city so could generate significant footfall for the eden project.

The proposed location is suitable as it is close to parking at GR432646 which is about half a km away and means money does

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not need to be spent on parking.

The proposed location is suitable because it is connected to a traffick free cycle route GR429645 which means people who cyle could be more likely to go.

The proposed route is suitable because it is connected to a recreational route so people could walk to the site. if they did not have a car.

The proposed route is suitable as it is relatively close to multiple camp sites (GR434625, GR431629, GR435634) meaning tourists are close enough to visit if so inclined.

The proposed site is suitable as the site is on FLAT ground so easy to

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build on.

The proposed site is not suitable as it could be visual pollution for people who ~~want~~ to live nearby as it is a very large building, Diagram Q5C.

One possible social impact is employment, as 7% of people aged 18-24 are unemployed in morecambe (Diagram Q5D) the eden project introduces new job opportunities to the area.

One possible economic impact would be increased income for the area as the project is predicting 750,000 ~~per~~ visitors per year who would likely contribute to the local economy by shopping.

~~One possible social economic impact is~~

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The proposed route is
suitable as it is near to
a railway station as
seen in diagram Q5A
meaning people can easily
access the location.

Candidate 2 evidence

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
1	<ul style="list-style-type: none">• For the Hoover Dam jobs were created by the HEP which needs constant upkeep• Standard of living improved with leisure / recreational activities in Lake Mead / Powell• Large businesses moved into the area due to the cheap HEP produced• Mining businesses moved because of the plentiful supply of water available and the cheap HEP• Transport connections were made easier to construct, for example the US Route 93 across the valley.• Farms grew due to the large amount of water available for irrigation• 250 species of animals moved to the area after the valley was flooded, increasing biodiversity.• The loss of nutrient rich silt downstream caused a fall in crop growth• The dam put a huge financial burden on the state• The dam brought tourists to see its scale, which increased tourism.

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- HEP turbines constantly get silted up, which means repairs must frequently be done, stopping power production.
- Ancestral land was flooded, which was significant to the local tribes.
- The Rainbow Bridge is slowly being eroded by waves/water in the reservoirs, this is significant area for local tribes.
- 3000 people were displaced during the construction, which cost the state lots of money.
- Hundreds of workers were killed while working on the dam, which gave it a deadly reputation
- Fluctuations in ~~daily~~ water flow became daily rather than ^{seasonal} ~~monthly~~, allowing people to depend on it more.
- The dam provided cheap power and stable ^a water supply to nearby residents and Las Vegas.
- The dam and its reservoirs allowed the tourism industry to flourish and create more jobs indirectly.

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	<ul style="list-style-type: none"> • The site is flat which allows for easy construction • The site is very close to the sea, which creates the possibility of flooding • The site has easy road access to the A5105 which allows for construction vehicles to access easily • There is no room for future expansion with the ocean on one side and the main road on the other • The site being right next to the sea could mean there will be issues with ground stability, this could increase costs • The site is very close to housing which means there will be easy access to employees and a large workforce • The site has an existing recreational route running through it, meaning they are more likely to attract customers. • The site is around 300m from

morecambe's train station allowing for easy tourist access

- This site could reduce unemployment which is currently 1.6% above the UK's average.
- With 55.2% of residents being 40+ a educational/recreational site like this would be very attractive to over half the population.
- This site would attract many tourists which would boost the local economy allowing for development of local services and further tourist destinations
- The site is being built on brown site land which means it will be cheaper to purchase, but demolition will be needed.
- The site will boost local property values in close proximity with the recreational and green spaces being built
- Increased traffic could be a result of this construction, this makes it harder for locals to commute/drive, and increases pollution

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- The large glass structures may cause light pollution as their light will likely be on most of the time, this may disturb locals.
- The surrounding beaches may become busy and overcrowded, which not only produces noise pollution which can disturb locals, but also creates an unsafe environment
- Attracting so many visitors to a beach so close to a motor way may be irresponsible and unsafe. Large protective barriers would have to be built.
- This would reduce unemployment in younger people which is 7% instead of 3.2% which is the nation's average. This would in turn reduce crime as people have something to do.

Candidate 3 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
2.	Development and Health.	
2.	For Malaria:	
	To protect humans against Malaria there	
	are Prophalactic Drugs which can be used to	
	protect yourself when in a Mosquito Infected	
	area. An example of this is Lariam. Lariam	
	is the cheapest of the 3 prophalactics and is	
	often used for people in the Army. This is	
	the least effective and can cause side effects	
	of Physcosis. Doxycycline is a middle range	
	price and is quite effective. But Although	
	this drug can prevent the female contraceptive	
	from working. Malarone is the most effective	
	at £50 a box and is the most effective	
	although it can cause night terrors and	
	Stomach upsets.	
	Another strategy to manage malaria is	
	DPT. This is an insecticide which destroys	
	the Mosquito nervous system. It is sprayed	
	over walls and gardens and can be used in	
	wide areas. DDT is extremely toxic and	
	so it was banned after being used etc	
	in the US. but it can still be obtained	
	illegally as it is very effective.	

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2	<p>Another strategy to manage Malaria is insecticide treated mosquito nets. These are nets which cover peoples bedframes in order to protect humans at night when mosquitos are most active. These are effective in keeping humans from getting bites although they must be used with sufficient training. As if they are not hung correctly or used with the insecticide then they will not be effective.</p>
	<p>Another strategy to manage Malaria is BTI infected coconuts. Coconut are used as incubators for BTI powder and left for a period of time. The fermented BTI and coconut mix milk mixture is then poured into the water is infected by mosquitos and destroys their stomach lining. This method is not very labour intensive as the mixture only needs to be put in ever 45 days but it is also infected a valuable water source.</p>
	<p>Another strategy to manage Malaria is Egg white spraying. This is when egg whites are sprayed over water</p>

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2	<p>water ^{bodies} and it creates a film over the mosquito larvae breathing tubes. This suffocates larvae and slows down the breeding process. This is quite effective as it can also be used on small bodies of water but it wastes a good source of protein for locals.</p> <p>Another management strategy for Malaria is Mosquito ^{larvae} eating fish, for example The Nile Tilapia fish. This is put into large bodies of water and feeds off of the mosquito larvae. This is quite ^{very} effective as it is self sustaining and can breed itself as well as a creates an additional food resource for the local community - the only downside is it can only be used in much larger water bodies and the mosquito can still breed in water as small as puddles.</p>

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5	<p>At 433 642 there is a railway station. This will make it easy for visitors to arrive at the area making it more accessible.</p> <p>At 427 643 the A589 will make it easy and accessible for construction work to deliver materials to the proposed site. There is also an existing car park at 431 645 which will reduce construction costs as there is no need for an additional car park.</p> <p>This will also make the plot accessible for tourists to travel here by car. The proposed site is built on flat land 429 646 so therefore construction costs will not be very expensive as there will not be grand works needed. There are multiple nearby water sets sources such as Kent Channel and other tributaries. During construction materials may pollute this water which could harm neighboring wildlife if it were to travel to the Morecambe Bay Nature Reserve. There may also be a risk of flooding from these water sources so there will need to be more construction costs put into create support from the water.</p>

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5	<p>The existing theatre and swimming pool needs to be demolished before work can start which may be time consuming. Locals will also be happy that this doused space will turn into something that is attracting more people to the area. The nearby town of Sandhills as well as City of Lancaster and Morecambe will have decreased unemployment rates as there will be more construction jobs in the construction period and also tourist jobs for when the proposed site is completed. The nearby school at 445 & 45 will benefit from this plot as they can use the education centre to their advantage. With Reference to Q5B Diagram Q5B the nearby cities such as Lancaster, Liverpool and Bradford can add to the additional tourist influx to the community due to this new proposed site. The Eden Project North will increase the income to the community due to the amount of people coming in from different areas on the map Q5B. With reference to Q5C the Eden Project</p>

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5	<p>North will compliment the natural surroundings and will not cause any visual pollution to the area, creating it to be something locals can be proud of and encourage more visitors. With reference to Diagram Q5D the highest % of population in the Morecambe area is people aged 15-39 which means that these people will benefit most from the Eden State Project as they can use it for educational advantage as well as enhancing their knowledge in where they live.</p>	