

Candidate 2 evidence

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
2a	<p>The Malaria lowers infant mortality rates</p>	
	<p>as children and you babies have weaker immune</p>	
	<p>systems so are more susceptible to the disease.</p>	
	<p>Adults are to too weak to harvest crops which</p>	
	<p>see leads to families unable to feed themselves</p>	
	<p>which leads to malnutrition and widespread</p>	
	<p>famine. Children are also too ill and weak to</p>	
	<p>go to school so many don't learn basic</p>	
	<p>numeracy and literacy reducing their future</p>	
	<p>prospects so likely to remain in the poverty. This</p>	
	<p>will also lead to an uneducated workforce</p>	
	<p></p>	
	<p>The economy is impacted as agriculture production</p>	
	<p>decreases as people are unable to feed or</p>	
	<p>harvest the crops, this is the main export for</p>	
	<p>countries suffering with malaria. Also if people</p>	
	<p>a large population of number of the population</p>	
	<p>can't work then Multi National companies</p>	
	<p>aren't attracted to to locate in the country as</p>	

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2b)	

they are not going to make any profits
so the GNP of the country falls and
~~jobs are~~ job opportunities are low. If
there is ~~a better~~ less a low working
population, then the government receives less
money from taxes so has less money to
spend on prevention of the disease and
also on development of the country.

Insecticide covered nets are used as ~~the~~
it provides a physical barrier between
the mosquito and the person which prevents
them catching malaria. This reduces the
number of people with malaria.

Insecticides are used to kill the mosquito
e.g DDT and malathion. They are sprayed
inside homes which ~~kill and reduces the~~
~~number~~ as it kills any mosquitoes in the

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	home so homes become safer.
	Health education programmes are used
	f e.g WHO's Roll back Malaria to tackle the
	causes of Malaria. This is done because
	health prevention is better than cure. Health
	workers teach the causes and ways to prevent
	it e.g cover up at dawn and dusk as mosquitoes
	are most active than in these periods of time.
	They do this through interactive dramas, songs and
	plays because these are memorable and
	many people are illiterate.
	Another strategy is the use of BTI
	coconuts. The fermented coconuts are broken
	open after a couple of days and added
	to ponds with larvae
	so because it kills the larvae as it destroys
	their stomach linings. This is a popular

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	<p>strategy because it is environmentally friendly and ^{2 or 3} will coconuts will control a pond for 45 days. only last to</p>	
	<p>Another method is spr- spraying oil and mustard seeds onto areas of stagnant water as these are breeding areas. Mustard seeds are used because they drag the larvae down and drown them. The oil suffocates the larvae as it prevents oxygen getting to the larvae. These are used as it reduces the population of female anopheles mosquitoes with the parasite.</p>	
	<p>Another method is the use of anti-malarial drugs e.g chloroquine and malarone as these kill the parasite and to help treat people suffering back to health. These</p>	

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drugs are becoming more common in pill form because it is easier to transport them and ~~less~~ the drugs have a longer shelf-life.

Another method is flushing reservoirs every 7 days because it takes longer than this for larvae to reach adult age. This drowns all the larvae growing in the reservoir.

Another method is planting eucalyptus trees because they soak up any excess water preventing areas of stagnant water, breeding developing which are breeding sites for the female mosquito.

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3a) Sunspot activity increases global temperatures as ~~the~~ it increases the insolation ~~so~~ of and activity of the sun. This means the earth receives ~~more~~ and absorbs more insolation.

Another factor is the milankovitch theory 'stretch, wobble, roll' which ~~exchanges~~ involves changes in the shape of the earth's orbit and the tilt of the earth's axis causing the amount of insolation ~~received~~ absorbed by the earth to alter. In cycles of 95000 years, the shape of the earth's orbit changes between circular to elliptical. This In circular shaped orbit; the earth receives more insolation as some parts of the earth are closer to the sun than when the shape is an elliptical orbit. In cycles of 41000 years the tilt of angle of

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	<p>The melting of ice caps reduces the albedo effect s effect as less incoming insolation is reflected back due to a reduction in size of ice. Also the the melting of ice caps will release freshwater into the ocean causing ocean currents to change. Ocean currents can provide warmth or colder temperatures to the local areas.</p>
3b)	<p>Individuals are encouraged to reduce, reuse and recycle as many products as possible ^{because it} to reduces the amount of methane being released into the atmosphere. Landfill tax has been introduced in many places e.g. Scotland to because it deters people from putting rubbish in landfill. Individuals are encouraged to buy hybrid and electric cars because these reduce do not release carbon dioxide into</p>

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	<p>the atmosphere. so less individuals are also encouraged to reduce. Here Households are encouraged to reduce energy consumption by turning off lights, insulating homes because it reduces fossil fuel consumption and the burning of fossil fuels so less carbon dioxide is released into the atmosphere.</p>	
	<p>Many developing and developed countries signed to the Kyoto protocol which uses the carbon credit scheme to reduce the amount of carbon dioxide in the atmosphere. This is because if countries cannot offset the carbon dioxide produced, they get a carbon credit from another country who is now responsible for offsetting the carbon dioxide e.g by planting trees.</p>	

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Scotland's Renewable Obligation

reduces ~~green~~ greenhouse gases entering the atmosphere because it ~~sets~~ ensures companies producing energy e.g. SSE produces ~~sets~~ the energy through renewables e.g. wind farms, tidal power, solar panels. ~~As~~ These are all ways to produce electricity without releasing carbon dioxide.

At COP21, 195 developing and developed countries signed an agreement to limit climate change to maximum of 2°C because anymore would have serious consequences.

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5.	<p>The advantage area is flat so it is easier to build on. However the proposed site runs would mean all of Harmondsworth ^{Langford} would be demolished and GROS2768 have to be knocked down. GROS8776 which would make construction very expensive. Everyone ^{and Langford} from Harmondsworth would have to be relocated or temp and compensated. The proposed runway goes over many water surfaces including river the river clone GROS0775 and ends huge ponds GR will end in huge ponds GROS40 GROS38774 which means these areas have to be drained which further increases construction costs. This will also lead to many wildlife habitats being destroyed so there ^{biodiversity} will be a reduction in wildlife habitats.</p> <p>Another disadvantage is the runway and ^{is extends} proposed sites is built over the motorway and A3044, GR773059 the M25, GROS43773 which will lead to mass major disruptions during the construction</p>

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as will cause major traffic quees as this motorway will be used by thousands every day. Also, ~~a bridge~~ the engineering of ~~this to~~ the motorway will have to change as it will have to ~~either~~ be built and diverted around the runway creating major costs.

A third runway and increase in rail capacity from 18 to 40 trains an hour will create major noise and visual pollution for the small area of Sipson GR072 777. The construction building will definitely devalue any houses here. there.

~~to~~ Some advantages to the site is it is easily accessible via major roads of the M25 and A3014 which will allow ~~constructer~~ construction deliveries to transport materials ~~and~~ to the

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site. A building of a third runway will also relieve pressure on the airport as more flights will be able to take place which is needed as Heathrow passengers is estimated to increase steadily in numbers.

This will prevent delays ~~are~~ for passengers.

Also the construction will provide huge number of jobs for many housing estates and the

building of offices and hotels to the

housing estates e.g. West Drayton GR070790

GR070795. ~~The~~ Also, ~~a~~ improvements to the

public transport will ~~reduce~~ help to encourage

locals to use the transport to commute to

work so may ease congestion on the motorway.

~~The~~ The construction of the runway will

also help Heathrow to handle the ~~grs~~

increase in ~~fergo~~ the tonnes of cargo ~~es~~

which it ~~se~~ estimated to continue to grow.

