Unit 2 – Sample Revision Questions

Core Theme 5 – Weather, Climate and Ecosystems

1. *(a)* Study the graph below.
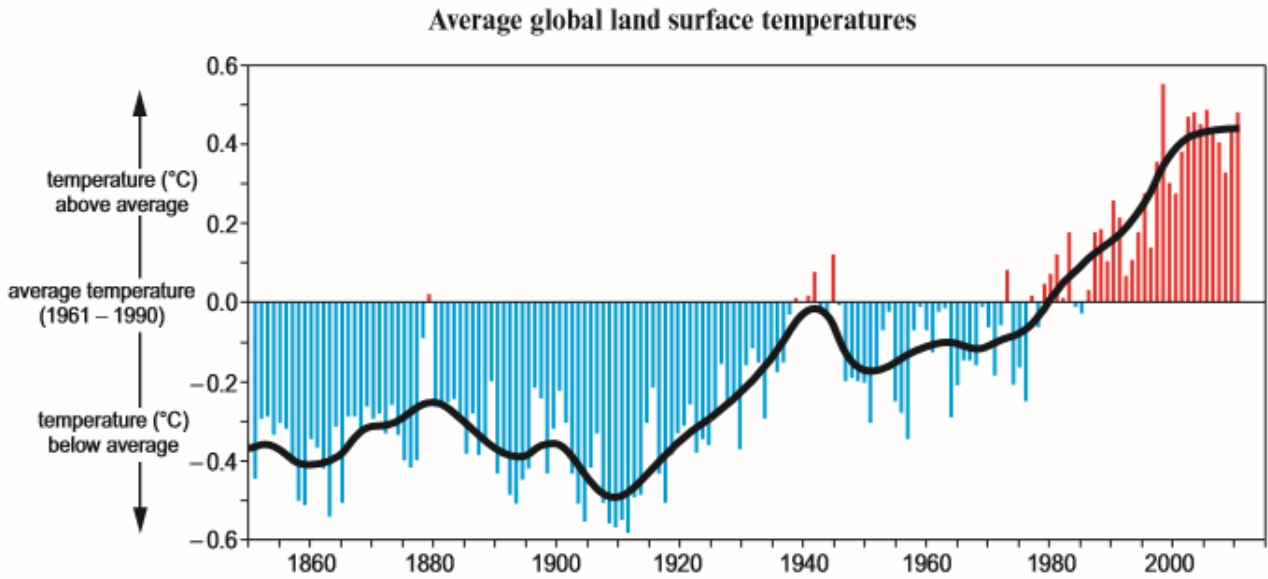
Carbon Dioxide in the Atmosphere
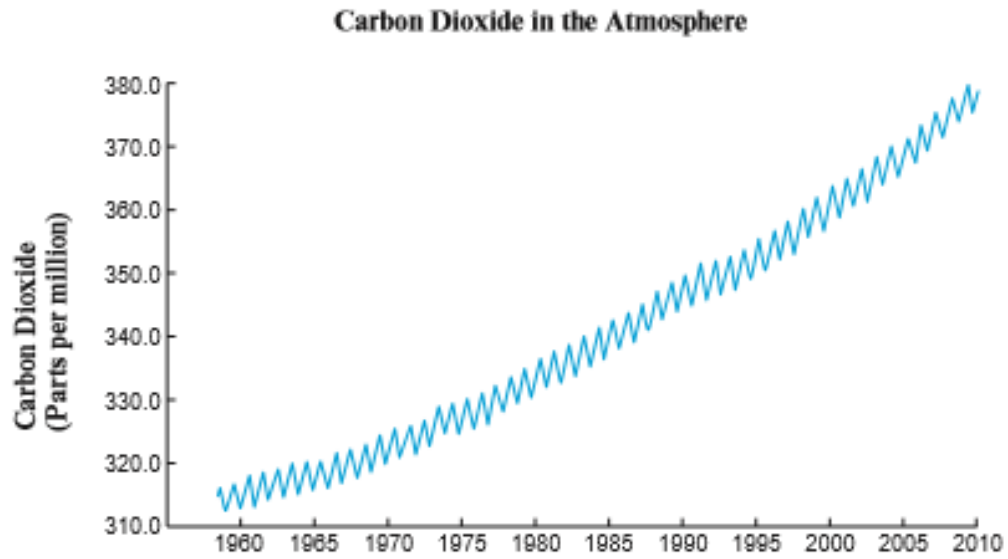
(i) Describe the pattern of change in carbon dioxide in the atmosphere since 1960.

[3]

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(ii) Give one reason to explain why the total amount of carbon dioxide has changed over time.

[2]

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Unit 2 – Sample Revision Questions

(b)   Study the graph below.

Average global land surface temperatures

(i)   Describe the change in global temperature since 1850.   [3]

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(ii)   Evaluate one piece of evidence, other than the change in global temperature that supports
the idea that climate change is taking place.   [2]

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Unit 2 – Sample Revision Questions

2. *(a)* Weather hazards in the UK are associated with high and low pressure systems.

(i) Complete the columns below by adding **two** high pressure and **two** low pressure weather hazards. [4]
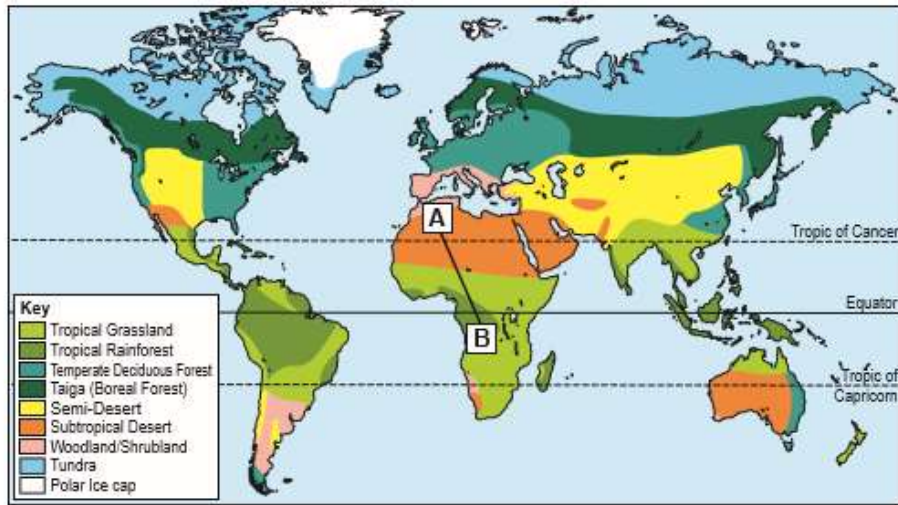
	High pressure	Low pressure
Weather hazard 1		
Weather hazard 2		

(ii) For any **one** weather hazard you have studied describe how it can affect the natural environment. [4]

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Unit 2 – Sample Revision Questions

3. The following factors affect the weather and climate of the UK. These include:

altitude   *air masses*   *distance from the sea*   *aspect*   *latitude*

For any **two** of these factors assess their importance in creating variations in weather and climate in the UK.   [6]

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3. *(a)* Study the map below which shows large scale global ecosystems called biomes.

MAJOR BIOMES OF THE WORLD

Key
Tropical Grassland
Tropical Rainforest
Temperate Deciduous Forest
Taiga (Boreal Forest)
Semi-Desert
Subtropical Desert
Woodland/Shrubland
Tundra
Polar Ice cap

(i) Describe the global distribution of the tropical rainforest biome. [2]

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(b) Ecosystems include both living parts and non-living parts.

(i) Put **four** of the following words in the correct column below. [4]

plants   rainfall   fox   rocks   plastic bottle

buildings   footpath

Non-living	Living

(ii) Study the simple food chain below.

Sun's energy → apple tree → insects → blackbirds → hawks
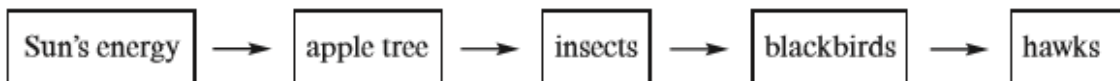
Use this example **and your own knowledge** to explain how plants and animals depend on the sun's energy and each other in an ecosystem. [4]

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(c) Match the following statements to show why many people argue that ecosystems like these should be protected. [4]
One has been completed for you.

Ecosystems provide people with benefits   which will create money for conservation.

Key services include plants   which can make ecosystems unsustainable.

Small scale tourist projects are developed   which can increase the numbers of plants and animals.

Ecosystems and wildlife are conserved   which can be used for medicines.

Some natural resources can be over used   which scientists describe as key services.

3. (a) For **one** ecosystem that you have studied, describe and explain **two** ways in which it can be used sustainably. [6]

Ecosystem _____

Way 1: _____

_____

_____

_____

_____

Way 2: _____

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Unit 2 – Sample Revision Questions

(b)   To what extent have people been successful in managing their use of natural ecosystems? Use one or more examples to help your answer.   [8]

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(c) (i) Deforestation is an unsustainable use of an ecosystem. Complete the table below with **two** sustainable and **two** other unsustainable uses of an ecosystem.   [4]

	Sustainable	Unsustainable
Use 1		
Use 2		

(ii) Describe **two** ways in which an ecosystem you have studied is being managed.   [4]

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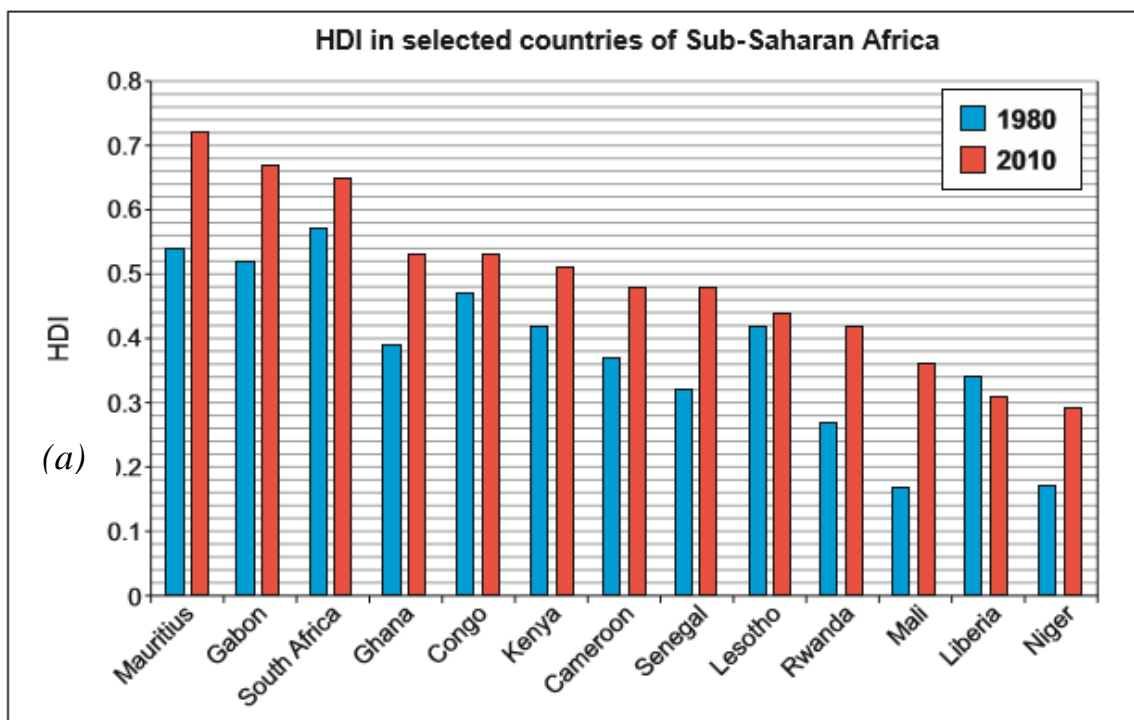_____

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Unit 2 – Sample Revision Questions

Core Theme 6 – Development and Resource Issues

1. *(a)*   Study the graph below.

> HDI measures wealth, education and health. It is scored out of 1.0. Places with a higher score have a higher standard of living.

HDI in selected countries of Sub-Saharan Africa

(a)

(i)   Complete the paragraph by choosing your answers from the box below.   [4]

0.29	Mali	decreased	increased	2.9
Mauritius	Liberia	South Africa	0.31	Kenya

The graph shows that HDI in most Sub-Saharan countries has ....

since 1980 but there is still a big gap between the most and least developed.

In 2010, ... had the highest standard of living with HDI

of 0.72 while the lowest was Niger with a HDI of ....

In .... , HDI has more than doubled since 1980 while in

some countries such as .... , people are actually worse off

than they were in 1980.

Unit 2 – Sample Revision Questions

(b) Study the scattergraph below. GDP per person (US$) is a measure of a country's wealth.

The relationship between education and wealth
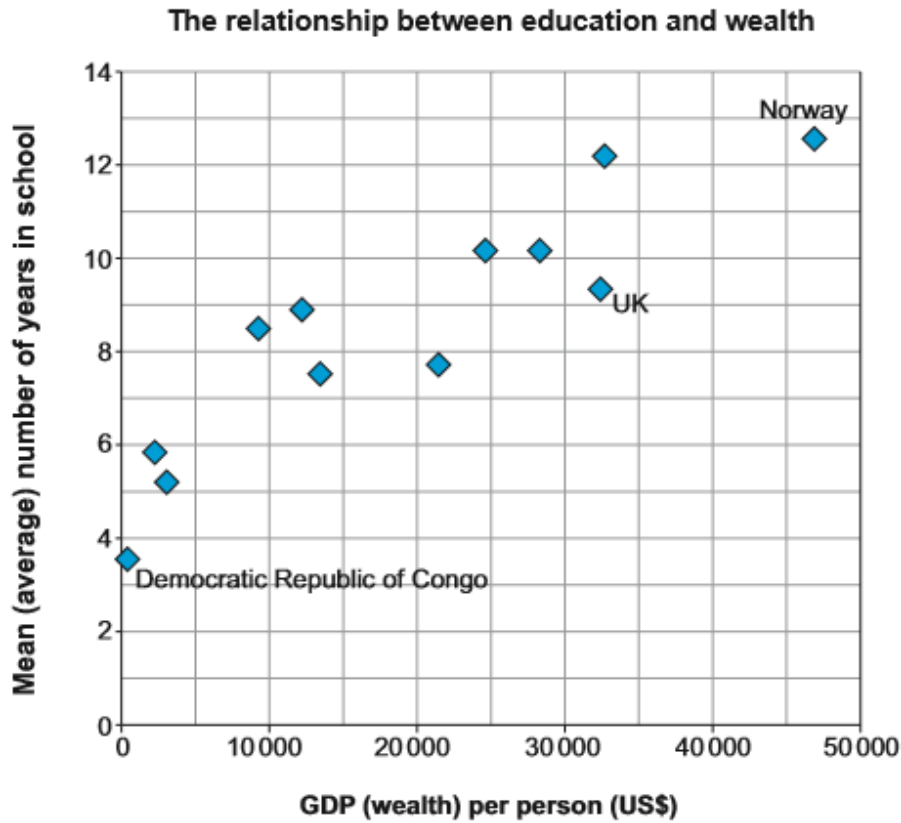
(i) Add the following data to the graph. [1]

Country	GDP per person	Mean number of years in school
Namibia	6 000	6.1

(ii) Explain why improving education helps a country to develop. [3]

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(c) Describe how one or more Aid projects that you have studied have improved people's lives. [5]

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2. Study the data below.

Adult Literacy Rates (%)

	1990		2004	
	Male	Female	Male	Female
Sub-Saharan Africa	60	40	69	53

(i) Describe the progress made by Sub-Saharan African countries to improve their Adult Literacy Rates from 1990 to 2004. [2]

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(ii) Give **one** reason why it is important for LEDC **governments** to improve literacy rates in their country. [2]

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3. Describe how patterns of development differ **within one** LEDC that you have studied. The words below may help you to plan your answer.   [5]

Farming and food production	Jobs	Patterns of industry
Education	Urban growth	Health care and disease

The country I have studied is: ....

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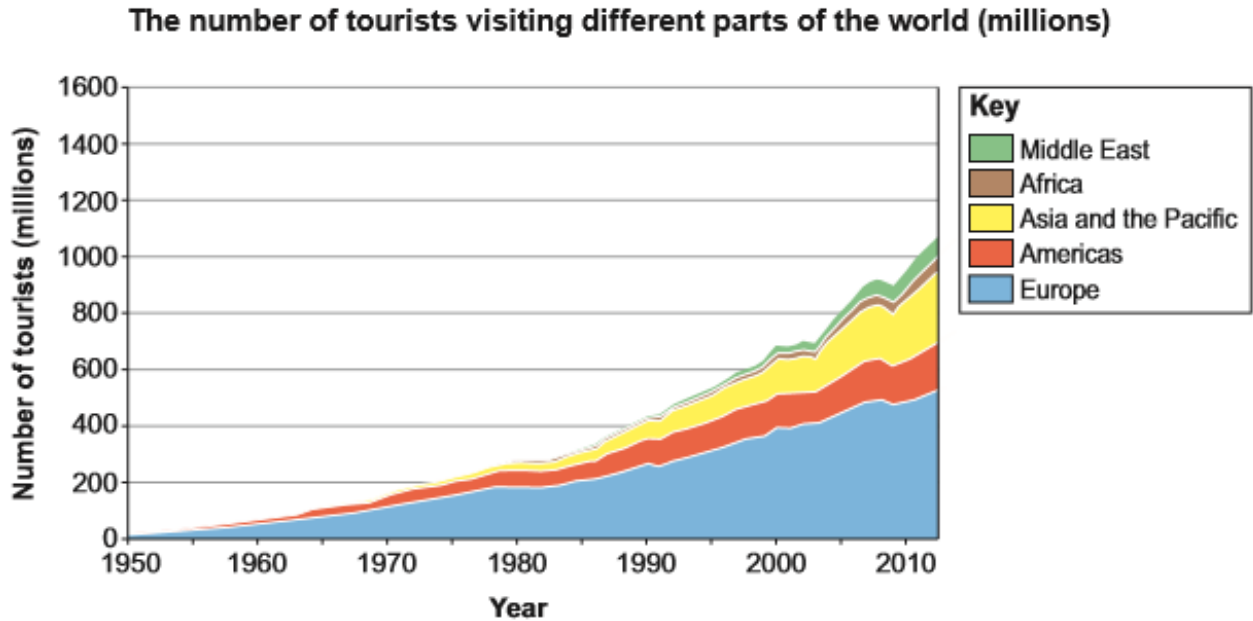_____

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Unit 2 – Sample Revision Questions

4. Describe how regional patterns of development differ within **one** country that you have studied.
You must draw a labelled map to help your answer. [6]

Country ....

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5. *(a)* Study the graph below.

The number of tourists visiting different parts of the world (millions)

(i) Which part of the world had most tourists visiting in 2013? [1]
Underline the correct answer below.

Europe   *Middle East*   *Americas*

(ii) Describe the trend in tourists to Asia and the Pacific. [2]

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....

(iii) Explain the overall change in tourist numbers shown on this graph. [3]

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6. Explain how tourism can bring **disadvantages** for people and the environment. Use a located example to help your answer. [8]

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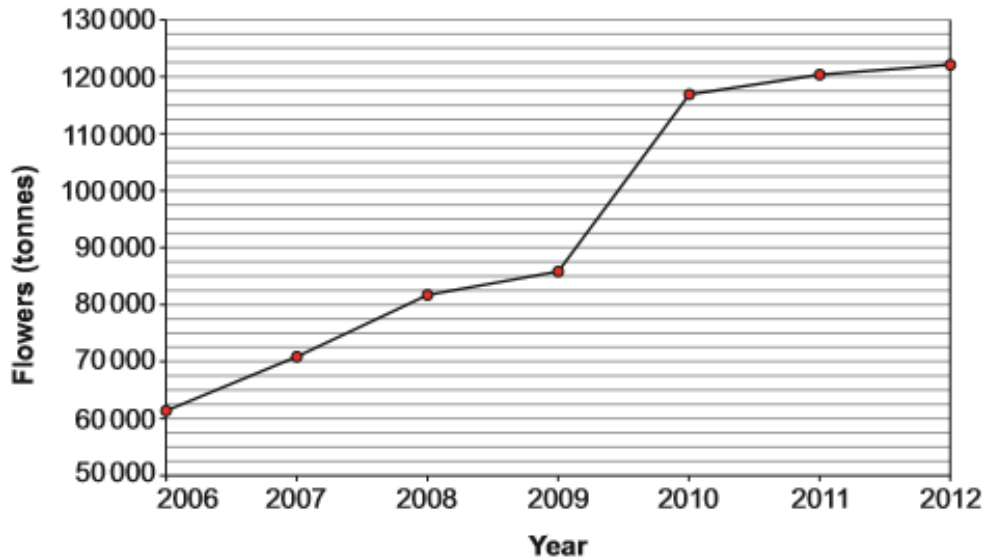
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Unit 2 – Sample Revision Questions

Optional Theme 8 – Environmental Challenges

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(a) Study the graph below.

Weight of cut flowers grown in Kenya and sold to other countries (tonnes)

(i) What are goods sold to other countries known as?
Underline the correct answer below. [1]

imports   *products*   *exports*

(ii) Describe the trend shown by the graph. Use figures in your answer. [2]

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(iii) Describe the advantages that this trend could have for some people living in Kenya. [3]

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Unit 2 – Sample Revision Questions

(b)   Study the photograph below.

Plums from
South Africa

Bananas
from the
Caribbean

Cherries
from Chile

Oranges
from
Spain

Apples from
France

Describe how changes in customer choice are having an impact on the global environment.   [6]

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Unit 2 – Sample Revision Questions

(c) European countries import products like bananas from the Caribbean and clothes from Bangladesh. Increasing consumer choice in Europe has effects on people who live in developing countries. Describe these effects using examples.   [6]

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2. Study the photograph below.

Energy in the Netherlands

(i) Use the photograph only to give **one** way in which technology is being used in the Netherlands to fight climate change. [1]

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(ii) Suggest how technology like this can help to reduce the impact of climate change. [2]

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(iii) Describe **one** way in which people can change their lifestyles to help reduce the risk of climate change. [2]

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3. Explain how climate change is likely to impact on people's lives in MEDCs, such as the UK.   [6]

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4. Describe how tourism can be developed in a sustainable way.
Use one or more named locations to help your answer.   [6]

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