

(Section A: The challenge of natural hazards) Challenge Climate Change

Question Paper

These practice questions can be used by students and teachers and is Suitable for GCSE
AQA Geography Topic Questions 8035

Course	AQA GCSE Geography
Section	1. The Challenge of Natural Hazards
Topic	1.4 Climate Change
Difficulty	Medium

Level: GCSE AQA 8035

Subject: Geography Exam

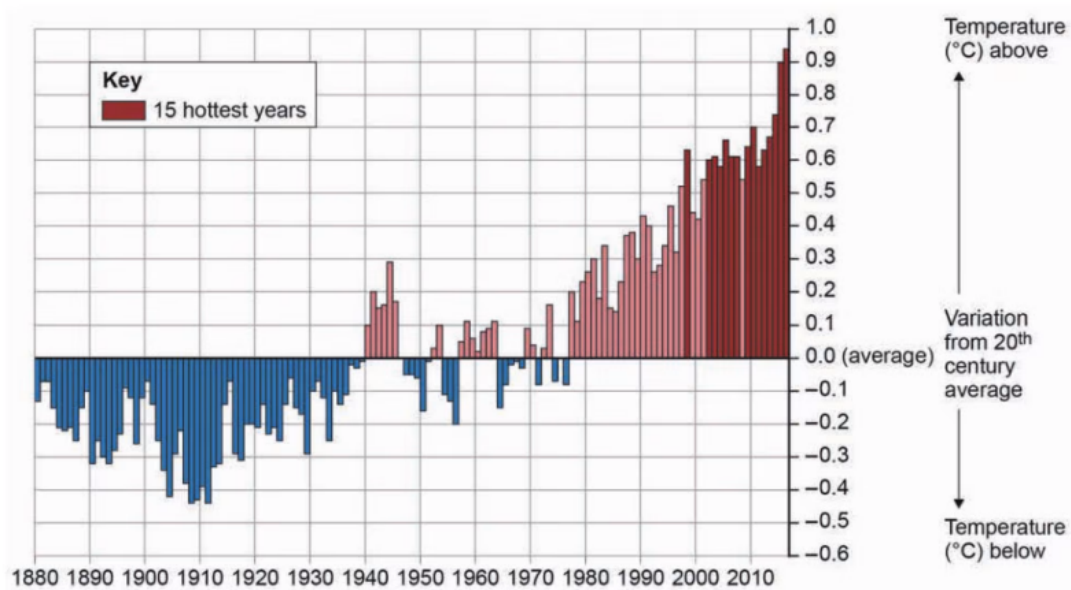
Board: GCSE AQA

Topic: Challenge of Climate Change

Question 1

Study **Figure 3**, a graph showing variation in average global temperatures, 1880-2017.

Figure 3



Using **Figure 3**, which one of the following statements is true?

Shade **one** circle only.

- A. In the early 1940s global temperatures were below the 20 century average.
- B. Global temperatures showed a steady increase between 1940 and 1980.
- C. The 15 hottest years were all recorded between 1995 and 2017.
- D. Global temperatures have been above the 20 century average every year since 1960.

[1 mark]

Question 2

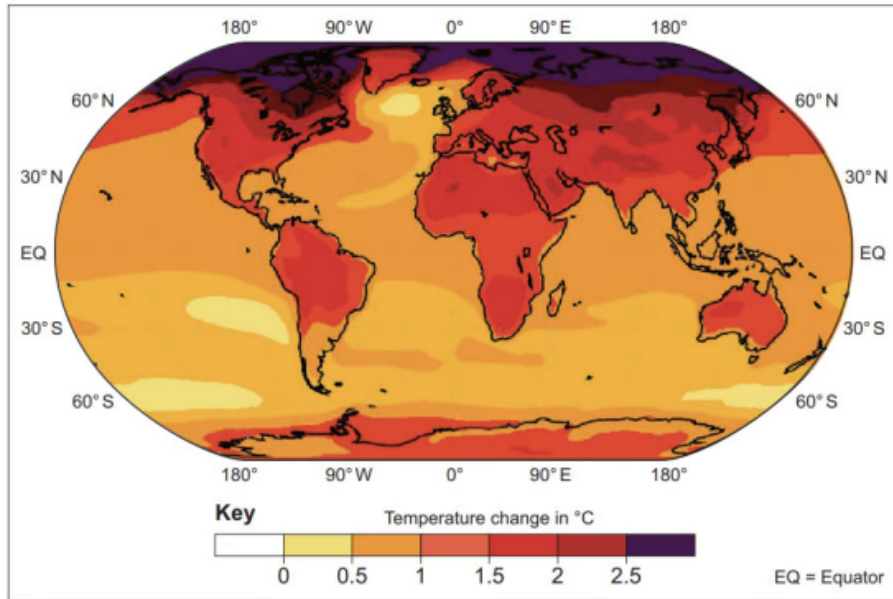
Explain how alternative energy production and planting trees may help to reduce the rate of climate change.

[4 mark]

Question 3

Study **Figure 5**, a world map showing projected global temperature change between 2000 and 2100.

Figure 5



Using **Figure 5**, which one of the following statements is true?

Shade **one** circle only.

- A. The greatest increase in temperature will be along the Equator.
- B. Most of Africa will have a rise in temperature of between 0 °C and 0.5 °C.
- C. The oceans will show a greater increase in temperature than land areas.
- D. Areas north of 60 °N will have the greatest increase in temperature.

[1 mark]

Question 4

Study **Figure 4**, photographs showing some causes of climate change.

Figure 4



To what extent is climate change the result of human actions?

Use Figure 4 and your own understanding.

[9 mark]

Question 5

Give **one** natural cause of changes in global temperatures.

[1 mark]

Question 6

Give **two** pieces of evidence, other than the change in global temperature, that show climate change has taken place.

[2 mark]

Question 7

Explain how the increasing use of fossil fuels and changes in agriculture may have contributed to global changes in temperature.

[4 mark]

Question 8

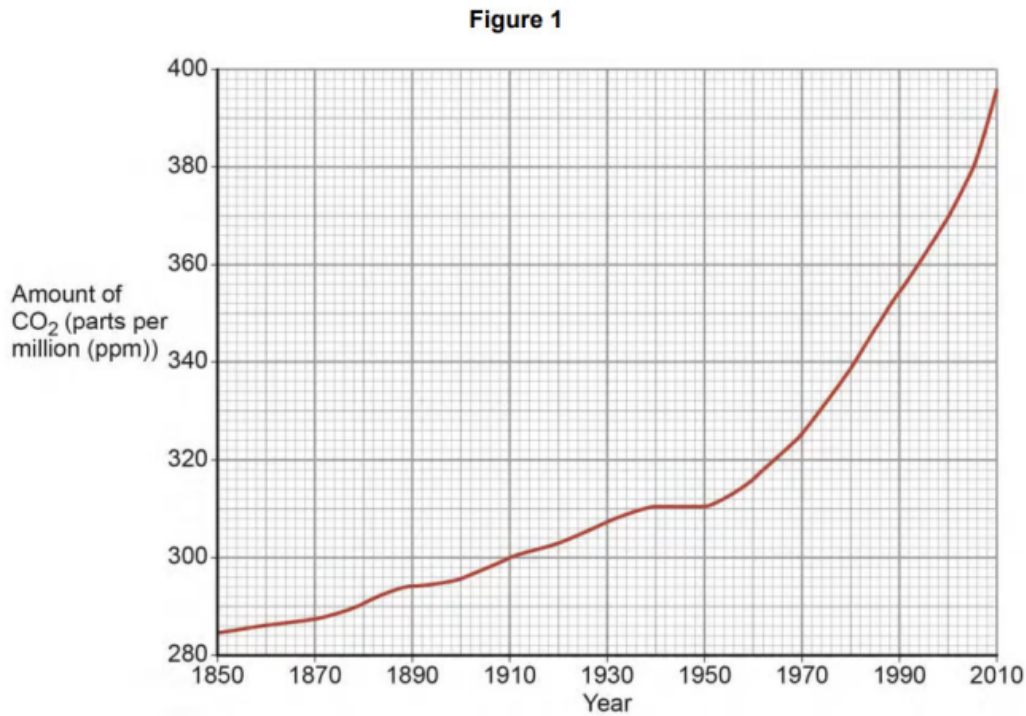
State one source of evidence for long-term climate change during the Quaternary period.

[1 mark]

Question 9a

The challenge of natural hazards

Study **Figure 1**, a graph showing changes in the amount of carbon dioxide (CO₂) in the atmosphere.



(a)

Describe the change in the amount of carbon dioxide in the atmosphere shown in **Figure 1**.

[2 mark]

Question 9b

(b)

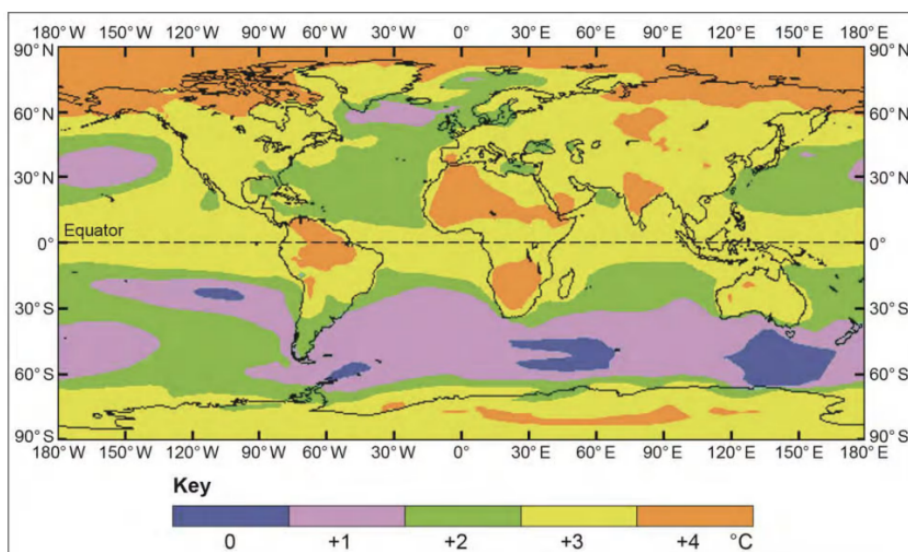
Outline **one** reason why the concentration of carbon dioxide in the atmosphere has changed over time.

[2 mark]

Question 9c

Study **Figure 2**, a map showing how global surface temperatures might change by 2070.

Figure 2



(c)

Using **Figure 2**, which two of the following statements are true?

Shade **two** circles only.

- A Changes in temperature are likely to be lowest in equatorial areas.
- B Temperatures in Asia are likely to rise by 1 °C.
- C Temperatures over most of the sea areas north of 60° N are expected to increase by 4 °C.
- D Temperatures over the whole of Africa are likely to rise by 3 °C or 4 °C.
- E The central parts of the continents are expected to have the lowest rise in temperature.
- F The rise in sea temperatures is likely to be greatest south of the equator.

[2 mark]