



CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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0457/11

May/June 2023

1 hour 15 minutes

You must answer on the question paper.

You will need: Insert (enclosed)

- Answer **all** questions.
- Use a black or dark blue pen.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.

- The total mark for this paper is 70.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains all the sources referred to in the questions.

This document has **12** pages. Any blank pages are indicated.

Read the information in the insert and answer **all** questions.

1 Study Sources 1 to 3.

- (a) From Source 1, identify the trend in the number of people in the world without access to electricity.

.....
..... [1]

- (b) From Source 2, identify **two** consequences of energy poverty.

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.....
..... [2]

- (c) Which consequence of energy poverty do you think is the most significant? Explain why.

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.....
..... [3]

(d) Explain why energy poverty is an important personal issue.

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..... [6]

2 Study Source 3.

- (a)** 'The world's energy problems must be solved by the rich industrialised countries.'

What are the strengths and weaknesses of the argument supporting this claim?

[6]

(b) 'Rich industrialised nations emit the most greenhouse gases.'

How could you test this claim? You should consider the types of information, sources of evidence and methods you might use.

[8]

3 Study Source 4.

(a) Identify **one** opinion from Hua's statement. Explain why it is an opinion.

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..... [2]

(b) Jin argues that energy poverty is best solved at the local level.

(i) Identify **one** fact from Jin's statement.

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..... [1]

(ii) Explain how well this fact supports Jin's argument.

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..... [2]

4 Your government wants to reduce energy poverty.

The following actions are being considered:

- Increasing access to electricity through national projects.
- Investing in microgrids producing renewable energy.
- Teaching local people about energy efficiency.

Which **one** of these actions would you recommend to the government, and why?

In your answer, you should:

- state your recommendation
- give reasons and evidence to support your choice
- use the material in the sources and/or any of your own ideas
- consider different arguments and perspectives.

This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dashed lines spaced evenly down the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.

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