Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

GLOBAL PERSPECTIVES **0457/12**

Paper 1 Written Examination **October/November 2018**

INSERT (Resource Booklet)

1 hour 15 minutes

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READ THESE INSTRUCTIONS FIRST

This Resource Booklet contains Sources 1 to 4. The time for reading these sources is allowed for within the time set for the examination.

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Source 1: Different energy sources

The energy we use comes from different sources. These include renewable sources, such as wind, solar and tidal power as well as non-renewable sources such as oil and gas. The proportion of energy provided by renewable sources is predicted to change.

Table 1 – Predicted share of worldwide energy supplied by different energy sources, 2014–2040.

Year	Renewable	Oil
2014	19%	34%
2025	21%	32%
2040	24%	30%

Source 2: Access to modern energy

In some parts of the world, people have to cook with basic energy sources they have collected themselves, such as wood, agricultural waste and animal dung. Using these basic energy sources has disadvantages. For example, collecting fuel takes a lot of time and spoils the local environment. Burning these fuels is also dangerous and often increases air pollution.

Many people believe that clean, modern energy, should be provided to people who do not have access to it. Making this possible will supply jobs. However, forests may need to be cleared to make way for roads, railways and buildings. Already 80 per cent of the world's forests have been destroyed.

In addition, if more communities are given access to modern energy sources this is likely to increase worldwide energy use.

Extract from an article about energy sources

Source 3: Pollution

Air pollution is a problem in our town.

Too many people are using cars to get to work instead of walking or using public transport. Exhaust fumes from these cars pollute our air. This month, the local council are trying to get people to be healthy and walk to work. Only 15 per cent of the people in our town walk to work. My family always walk to school and work. I have done this since I was a child as my parents would never drive somewhere if it was possible to walk instead.

Our air is also polluted by local factories. They burn oil and coal which results in smog pollution. This is so thick here that sometimes you cannot see the sun properly. It makes breathing difficult, especially for very young children and older adults. Sometimes we have warnings about going outside for too long.

Extract from a blog about a local town

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Source 4: Wind turbines

Two local residents discuss a government proposal to build wind turbines in their area.

Adisa

I do not want to have wind turbines in our area. Our coal-fired power station works well and I have heard that wind turbines will only produce 40 per cent of the energy we need. I think we should keep the power station near the village. Some of my family work there and the managers say that it does not cause much air pollution. If our energy comes from wind turbines, people will lose their jobs at the power station.

What will happen when there is no wind? Will we just have no electricity? Years ago, when my parents were growing up, they only had electricity for a few hours each evening. They used to have to collect wood so that they could warm the house and cook food.

The local power station has given us continuous electricity. I think it is important that we keep warm in the very cold winter. Also we have a better standard of living with electrical appliances like washing machines.

Kahina

Well I certainly disagree. I think that wind turbines are an excellent idea. They will be good for future generations and will not pollute our air like that awful power station.

Why do people object to them? Have they forgotten what will happen when we run out of coal and oil? I think they look impressive and breath-taking, turning slowly like quiet giants in a field. Look at this photograph of the wind turbines near my grandfather's house.



Even my grandfather likes them and he does not usually like change!

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