Cambridge Assessment International Education

Cambridge IGCSE™

GLOBAL PERSPECTIVES **0457/13**

Paper 1 Written Examination **May/June 2020**

INSERT **1 hour 15 minutes**

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INFORMATION

- This insert contains all the sources referred to in the questions.
- You may annotate this insert and use the blank spaces for planning. **Do not write your answers** on the insert.

This document has **4** pages. Blank pages are indicated.

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Source 1

Despite the rising costs of energy and concerns about pollution, many countries still waste energy. There are differences between countries in the amount of energy wasted.

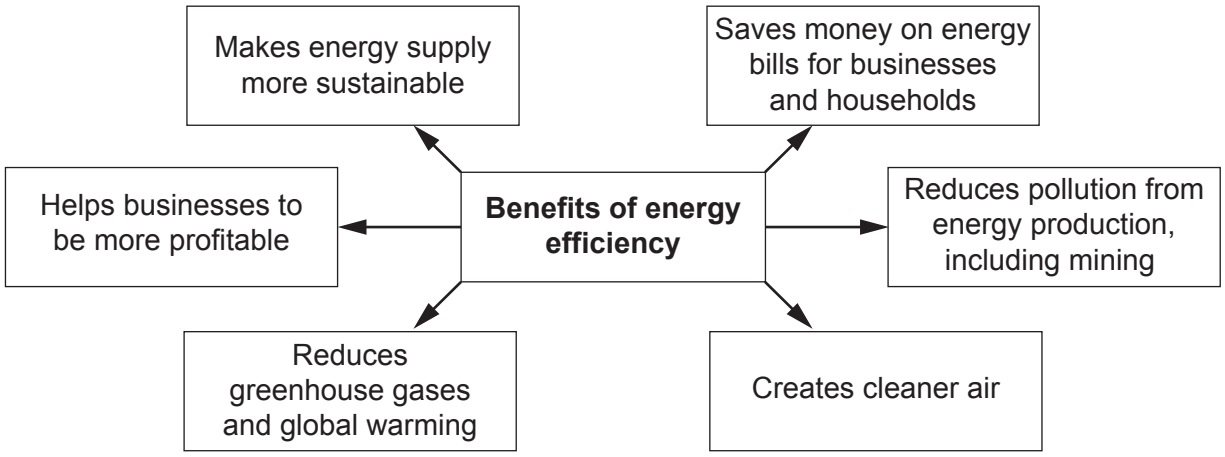
The table below shows the energy efficiency rating of different countries. The score is based on energy use, levels of waste, policies to reduce waste and plans for sustainable energy in the future.

Table 1 – Energy efficiency rating* of different countries in 2016

Country	Energy efficiency rating
Brazil	30
China	62
Germany	65
India	46
Japan	57
Russia	35
United States	43

* The higher the score the more energy efficient the country.

Source 2



Source 3: Why do people waste energy?

It is easy to use less energy. However, most people and organisations still waste energy because they do not know how to be more energy efficient.

Businesses should use clean energy from the sun and wind. Do not be tempted to use cheaper, dirty energy from oil and coal just to boost profits.

People should develop good habits at home. Turn off the lights when they are not needed. Lower the temperature of your hot water and heating. Harvest rainwater and use it for gardening and toilets.

Research has shown that teaching children about energy efficiency reduces their use of energy. It may take several years to have an impact, but if we educate children, they will develop good habits for life. Schools must do more.

Governments should use advertisements on television and social media to educate adults. Tell them about the dangers of pollution from energy production. Tell them about health problems caused by dirty air, global warming caused by increased greenhouse gases and food that is dangerous due to poisons from pollution. Only then will they want to change their lifestyles and pressure employers to have sustainable policies at work.

Extract from a magazine article published in Turkey, 2018

Source 4: School debate – Should we worry about energy in the future?

Anja

Our energy use is a problem! Firstly, our supplies of energy are likely to run out. With world population growth, development and globalisation, countries need more energy for industry, transport and household activities. On current trends, one oil company estimates that known oil reserves will disappear by 2060.

Most of our energy comes from burning oil, gas and coal. This creates greenhouse gases that increase global warming. Petrol and diesel engines cause air pollution that affects health. The World Health Organization believes that seven million people die every year due to air pollution.

Then there is the environment. We are poisoning our planet. Many species of plant and animal are being lost. The World Wildlife Fund estimates that between 200 and 2000 species are lost every year.

It is right to use less energy and reduce waste. Find sustainable alternatives like power from the sun, wind and water, say Friends of the Earth.

Knut

Human beings need energy to survive. Without fire for heating, cooking food and to power transport, civilisations would not have grown.

Historians tell us that using water power and steam engines promoted industrialisation. Factories enabled us to create wealth and bring many people out of poverty. Today, new digital technologies are improving our lives, creating more wealth and supporting development throughout the world. We use electricity to power our computers. In the future, batteries will power electric cars and robots. We need energy to create jobs and power our country.

Humans have always solved their problems through science. Do not worry about energy. My father says, ‘Problems like global warming and pollution are exaggerated by the media to make money. It is wrong to create false news!’

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