9.1 Energy Insecurity: Causes of Growing Energy Demand and Supply Issues: 10-minute Pack

AQA 8035 · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Define the term 'energy security' as used in discussions of national supply.

(Total for Question 1 is 1 mark)

2 State what is meant by 'energy insecurity' in the context of a country's economy.

(Total for Question 2 is 1 mark)

3 Explain ONE economic reason and ONE supply-side reason why continued reliance on fossil fuels increases a country's energy insecurity. Refer to cost, supply routes or market vulnerability in your answer.

(Total for Question 3 is 6 marks)

4 Give ONE reason why global energy demand has risen in recent decades, referring to population or economic change.

(Total for Question 4 is 1 mark)

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Mark scheme · 9.1 Energy Insecurity: Causes of Growing Energy Demand and Supply Issues: 10-minute Pack

Question 1

the reliable availability of energy supplies at affordable prices for a country or region, oe **B1**

Answer: The reliable availability of energy supplies at affordable prices for a country or region.

Question 2

when a country faces an unreliable or insufficient supply of energy, or when energy is unaffordable, oe **B1**

Answer: When a country faces an unreliable or insufficient supply of energy, or when energy is unaffordable.

Question 3

economic reason stated, e.g. price volatility on global fossil fuel markets, oe **B1**

linked development, e.g. price spikes increase import bills and make energy unaffordable for households and industry, oe **B1**

further linked point, e.g. reliance on imports ties the country to exchange rates and global market swings, increasing vulnerability, oe **B1**

supply-side reason stated, e.g. concentration of supply on a few routes or producers, oe **B1**

linked development, e.g. disruptions from political conflict, pipeline damage or embargoes can cut supply quickly and are hard to replace, oe **B1**

further linked point or example, e.g. lack of domestic alternatives or slow capacity to switch increases the impact of such supply shocks, oe **B1**

Answer: Economic reason: global fossil fuel price volatility and sudden price spikes raise import bills and can make energy unaffordable, tying the country to exchange rate movements and market swings. Supply-side reason: dependence on a small number of producers or routes means political conflict, pipeline damage or embargoes can rapidly cut supplies that are hard to replace, and without domestic alternatives the country is highly vulnerable.

Question 4

e.g. population growth increasing the number of energy consumers, oe **B1**

Answer: Population growth increasing the number of energy consumers.

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