9.2 Impacts of Energy Insecurity and Large-Scale Strategies to Increase Supply: 10-minute Pack

AQA 8035 · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Define 'energy insecurity' in the context of a country or region's supply and demand of energy.

(Total for Question 1 is 1 mark)

2 State one social consequence of energy insecurity for households in the UK, naming the issue.

(Total for Question 2 is 1 mark)

3 Give one economic cost of energy insecurity to industry, for example in a manufacturing region.

(Total for Question 3 is 1 mark)

4 Name the UK company and the general location associated with controversial shale gas fracking trials in the 2010s, and give the approximate first year such operations attracted national attention.

(Total for Question 4 is 2 marks)

© Revision Library | revisionlibrary.co.uk

5 Give one social or cultural objection communities sometimes raise against building large hydroelectric dams.

(Total for Question 5 is 2 marks)

6 Describe one environmental impact of exploring for energy in an environmentally sensitive area, for example exploration for shale gas in a protected countryside area.

(Total for Question 6 is 2 marks)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 9.2 Impacts of Energy Insecurity and Large-Scale Strategies to Increase Supply: 10-minute Pack

Question 1

a situation where reliable, affordable energy supply is not guaranteed for households, businesses or industry, oe **B1**

Answer: When a country or region cannot guarantee reliable, affordable energy supplies for households, businesses or industry.

Question 2

fuel poverty (households unable to heat or power their homes adequately), oe **B1**

Answer: Fuel poverty, where households cannot afford to heat or power their homes adequately.

Question 3

increased production costs due to higher or volatile energy prices, leading to lower profits or job losses, oe **B1**

Answer: Higher or volatile energy prices that raise production costs, reducing profits and risking job losses.

Question 4

Cuadrilla, oe **B1**

near Blackpool / in Lancashire, and around 2011 (first high-profile seismic events) oe **B1**

Answer: Cuadrilla, near Blackpool in Lancashire; operations first attracted national attention around 2011.

Question 5

displacement of communities, e.g. people forced to relocate when valleys are flooded, oe **B1**

linked detail, e.g. loss of cultural sites, agricultural land or changes to livelihoods, oe **B1**

Answer: Displacement of communities, for example people forced to relocate when valleys are flooded, causing loss of cultural sites, agricultural land and changes to livelihoods.

Question 6

disturbance to habitats and wildlife, e.g. loss of vegetation and nesting sites, oe **B1**

linked detail, e.g. heavy machinery, access tracks and noise can fragment habitat and reduce biodiversity, oe **B1**

Answer: Exploration can disturb habitats and wildlife, for example loss of vegetation and nesting sites; heavy machinery, access tracks and noise fragment habitat and reduce biodiversity.

© Revision Library | revisionlibrary.co.uk