

Volume 39, Number 1, September 2025

Activity

Quiz: UK energy security

This quiz is marked out of 10. It could be used as a quick review before teaching the topic to see what students already know. Alternatively, it could be a short team quiz, used for fun but as a way of opening up a discussion of these issues. Answers are available to download as a separate document from *GeographyReviewExtras*.

1 How many operating nuclear power stations does the UK have? (1 mark)

- A 12
- B 5
- C 8
- D 17

2 The UK has a number of 'interconnectors', which import electricity to the UK National Grid from abroad. How many interconnectors are there? (1 mark)

- A 3
- B 6
- C 9
- D 12

3 The UK uses natural gas to generate electricity and supply industry and homes. Which country supplies most of the UK's imported natural gas? (1 mark)

- A Norway
- B Russia
- C Qatar
- D USA

- 4** What is significant about the UK energy installation called Hornsea 2? (1 mark)
- A It's a nuclear power station due to open in 2030.
 - B It's a main natural gas pipeline from Norway.
 - C It's the UK's largest solar farm.
 - D It's the world's largest offshore wind farm.
- 5** In 2025, which energy source had an installed capacity of 18 GW of electricity supply (about one third of UK peak demand)? (1 mark)
- A Wind turbines
 - B Hydro-electric power (HEP)
 - C Solar panels
 - D Biomass
- 6** Which constituent part of the UK is closest to getting 100% of its electricity from renewable sources? (1 mark)
- A England
 - B Northern Ireland
 - C Scotland
 - D Wales
- 7** Drax in North Yorkshire was once a very large coal-burning electricity power station. What was it converted into by 2021? (1 mark)
- A Gas fired power station
 - B Biomass power station
 - C Solar array power station
 - D Onshore wind farm

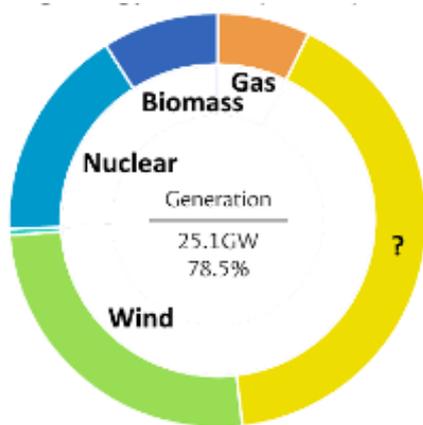
8 Since 2005 the UK has been a net importer of crude oil, although North Sea oil is still significant. Which two countries supply most of the UK's imported oil? (1 mark)

- A Netherlands and Saudi Arabia
- B Russia and Norway
- C Qatar and the USA
- D Norway and the USA

9 Who owns the UK's nuclear power stations? (1 mark)

- A The UK government
- B National Grid
- C EDF Energy
- D Great British Energy

10 The graph below shows UK domestic electricity generation for a specific date and time. What's the missing energy source? (1 mark)



Tuesday, 8 July 2025, 11 a.m.

- A Coal
- B Solar
- C Interconnectors
- D HEP