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Answer the following questions:

П 🖄 1. Where is electricity produced? 2. What is the name of the network of wires that take electricity around the country? 3. What is the maximum voltage that can be carried by overhead electricity wires in the UK? 4. Name three fuels used in power stations? 5. What does a primary substation do? Can electricity jump gaps? 6. 7. Why should you not climb pylons or wooden poles carrying overhead electric wires? 8. What can wooden poles carrying overhead electric wires be confused with? **QUIZ TIM** Why can substations be dangerous even you do not touch anything? 10. What should you do if you see a vandalised substation?





ANSWERS

- 1. Where is electricity produced? Power station
- 2. What is the name of the network of wires that take electricity around the country? National Grid
- What is the maximum voltage that can be carried by overhead electricity wires in the UK?
 Up to 400,000 volts
 - 4. Name three fuels used in power stations? Gas, coal, nuclear
- 5. What does a primary substation do? Distribute electricity through network of underground cables and overhead wires
- 6. Can electricity jump gaps? Yes
 - 7. Why should you not climb pylons or wooden poles carrying overhead electric wires?
 Danger of death/touch wires/cables and electrocute yourself
- 8. What can wooden poles carrying overhead electric wires be confused with?

Telephone poles

9. Why can substations be dangerous even you do not touch anything?Electricity can jump gaps and kill you

10. What should you do if you see a vandalised substation? Ring the number on the substation gate or dial 999

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