



EDUCATION LEVEL: LOWER

Keeping the lights on

Electricity can be generated (made) in different ways. You can use nuclear energy or burn oil, coal and gas to spin generators that make electricity. You can also use wind or water to spin generators.

Electricity is very useful...

Can you think of 3 things you have used already today that needed electricity to work?

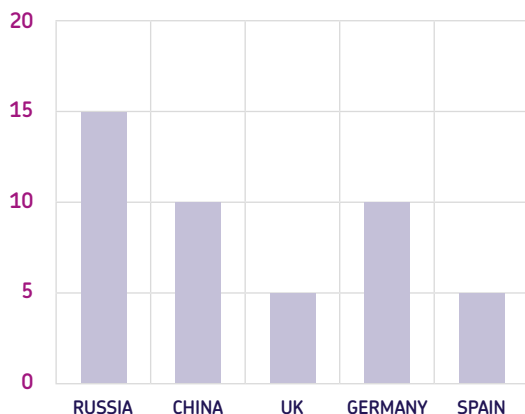
Look at the table (left) showing how electricity is made in the UK and France

1. How many **units of electricity** is generated in the UK using coal?
2. What is used **the least to generate electricity** in the UK?
3. What is used to generate **the most electricity** in the UK?
4. What is used to generate **the most electricity** in France?
5. How many **units of electricity** is produced by using coal, oil and gas in:
A) the UK? B) France
6. **True or false:**
France generates double the number of energy units using wind and water compared to the UK

% ENERGY PRODUCTION (UNITS)

METHOD	UK	FRANCE
OIL	1	1
GAS	44	4
COAL	32	4
NUCLEAR	13	78
WIND / WATER	6	12
OTHER	4	1

ELECTRICITY UNITS FROM NUCLEAR POWER



Some countries produce more nuclear power than others to generate electricity

The graph shows how much electricity is generated by nuclear power in five different countries.

1. How many **units of electricity** does China produce using nuclear power?
2. Which countries **produces the most** nuclear power?
3. Which countries **produces the least** nuclear power?
4. How many countries **produce 10 units of electricity**?
5. How many **units more electricity** does Germany produce than Spain using nuclear power?