



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?

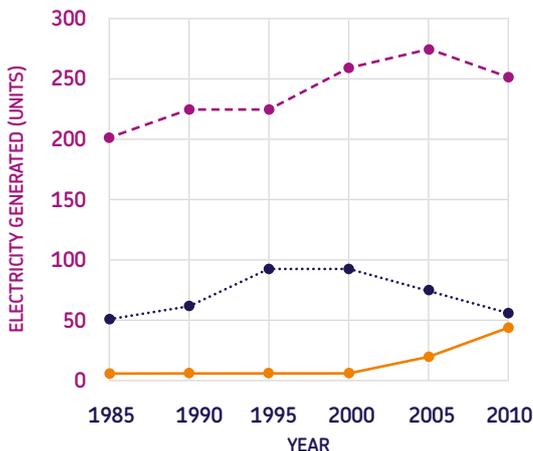
Look at the table (left) showing how electricity is made in the UK and France

1. What **percentage 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. What **percentage of electricity** is produced by using coal, oil and gas in:
A) the UK? B) France
6. **True or false:**
France generates twice as much energy as the UK using wind and water

% ENERGY PRODUCTION

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

UK ELECTRICITY PRODUCTION



How we have generated electricity through time has changed

The graph shows how much fossil fuel (coal, oil and gas), nuclear and renewable energy we have used from 1985 until 2010.

1. Which method of generation **produced the most electricity** in 1985?
2. Which type of generation **was the second biggest** in the year 2000?
3. **What happened to nuclear power** generation between 1985 and 1995?
4. **What happened to nuclear power** generation between 2000 and 2010?
5. **What happened to renewable energy** generation between 1985 and 2000?
6. **What happened to renewable energy** generation after 2000?
7. **What do you think has happened** to renewable energy generation since 2010?