



# 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 generate renewable electricity.

## Electricity is very useful...

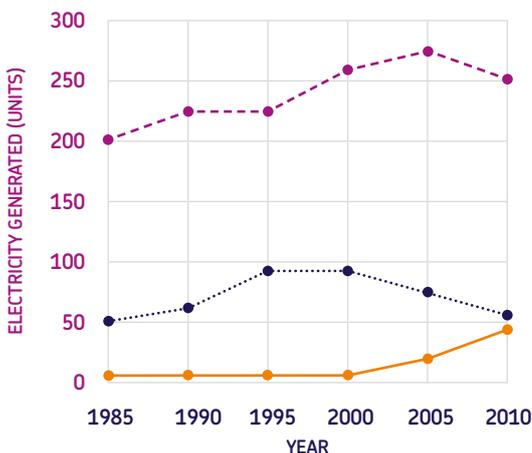
Can you think of 3 things you have used already today that needed electricity to work?

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

% ENERGY PRODUCTION		
METHOD	UK	FRANCE
OIL	1	1
GAS	44	4
COAL	32	4
NUCLEAR	13	78
RENEWABLE	6	12
OTHER	4	1

1. What **percentage of electricity** is generated in the UK using coal?
2. Which method generates **the most electricity** in:  
A) the UK? B) France
3. Which method **generates the least electricity** in the UK?
4. What percentage of the electricity in the UK is **generated using oil, coal and gas**?
5. **True or false:**  
France generates twice as much renewable energy as the UK
6. **True or false:**  
France generates 6 times as much nuclear energy compared to the UK
7. How many times **more reliant on coal is the UK** compared to France?
8. In France, **how many times more nuclear electricity** is produced compared to renewable?

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. How much electricity was **produced by fossil fuels and nuclear power** combined in 1985?
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?