



## Energy generation

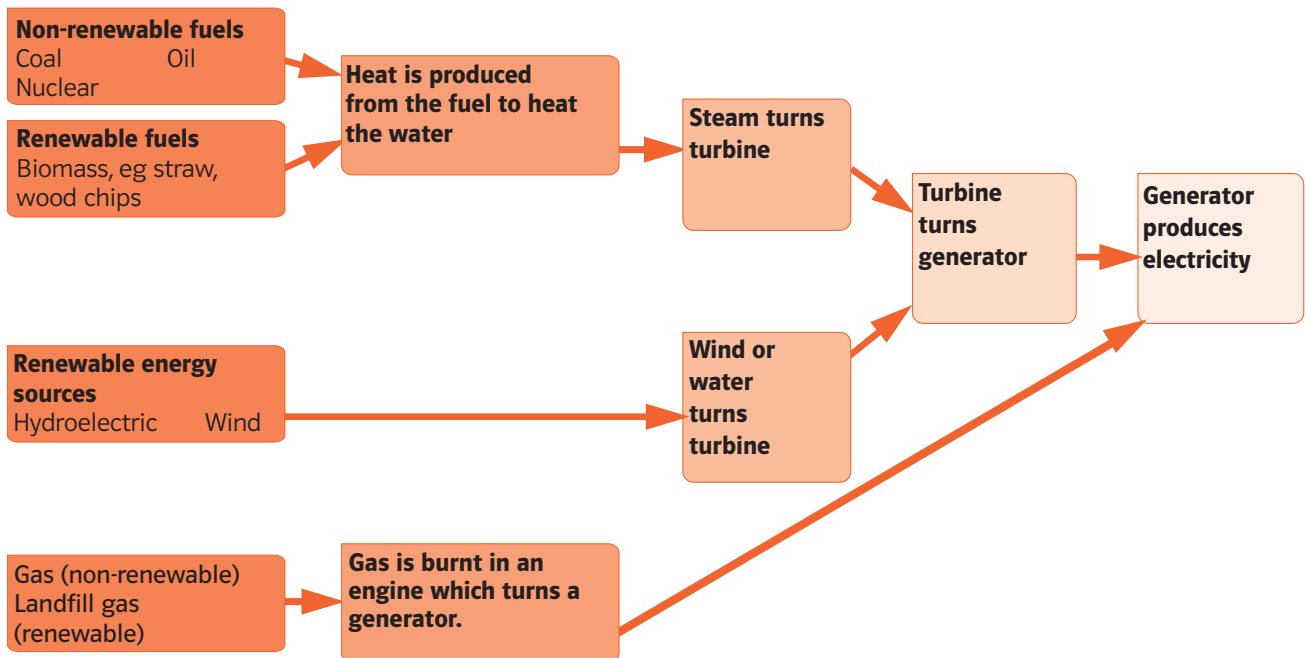
In 1831, an English scientist called Michael Faraday found out that moving a magnet inside a coil of wire created electricity. He had discovered the generator!

Modern electricity generators work in the same way but on a much larger scale. Giant electromagnets are rotated inside huge coils of wire at high speed. Power station generators can generate 22,000 volts (22kV) of electricity.

### Power stations

The buildings where electricity is generated on a large scale are called power stations. A lot of energy is needed to turn an electricity generator in a power station.

### How most electricity is generated



Energy source	%
Gas	39.5%
Coal	33.4%
Nuclear	20.2%
Hydroelectric	1.2%
Oil	1.2%
Wind	0.5%
Biomass	2%
Solar	less than 0.1%

The amount of electricity supplied to the UK from these energy sources