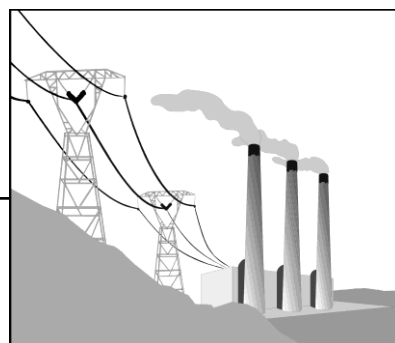


Where does electricity come from?

We use electricity for many things.

Electricity can be generated in power stations from **coal** or from **wind** turbines in windy places.



Task:

Make a poster that shows where electricity comes from.

Write a step-by-step description of how electricity is generated using coal and wind.

Make a chain that shows the steps for generating electricity.

Key words:

boiler, burning, coal, electricity, energy resources, fuel, generator, non-renewable resource, renewable resource, steam, sun, turbine, wind
energy transfers - by heating, by lighting, by moving, by sound

Level ladder:

What is your target level? Use the level ladder to help you reach it:

Challenge	You might have:
Easy	• Drawn a diagram to explain how electricity can be generated using coal. • Drawn a diagram to explain how electricity can be generated using wind. • Described the difference between <i>renewable</i> and <i>non-renewable</i> resources. • Explained the original source of energy for both coal and wind. • On the diagrams, labelled some useful energy transfers.
Medium	• Drawn a diagram to explain how electricity can be generated using coal. • Drawn a diagram to explain how electricity can be generated using wind. • Described the difference between <i>renewable</i> and <i>non-renewable</i> resources. • Explained the original source of energy for both coal and wind. • On the diagrams, labelled useful and non-useful energy transfers. • Described some advantages and disadvantages of using each energy resource.
Hard	• Drawn a detailed diagram to explain how electricity can be generated using coal. • Drawn a detailed diagram to explain simply how electricity can be generated using wind. • Explained the difference between <i>renewable</i> and <i>non-renewable</i> resources. • Explained the original source of energy for both coal and wind. • On the diagrams, accurately labelled useful and non-useful energy transfers. • Explained, in detail, the advantages and disadvantages of using each energy resource.