

Year 4



Electricity

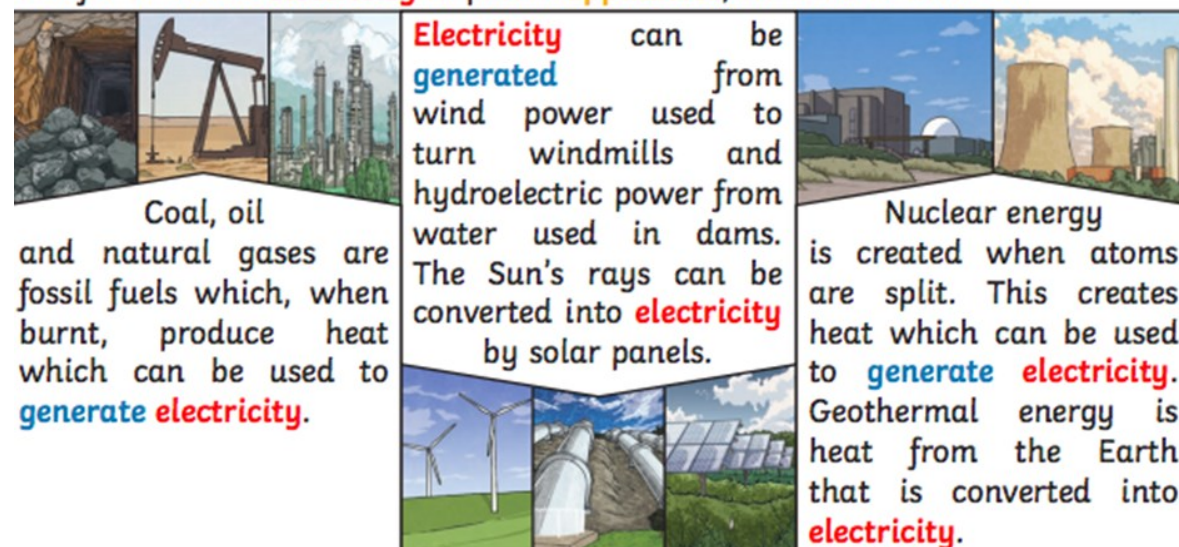
Key Vocabulary			



Pre existing knowledge

- Electricity is a form of energy that can be carried by wires and is used for heating and lighting, and to provide power for devices.
- Sources of light and sound may need electricity to work.

Lightning and static **electricity** are examples of **electricity** occurring naturally but for us to use **electricity** to power **appliances**, we need to make it.



Key Vocabulary

Circuit	A pathway that electricity can flow around. It includes wires and a power supply and may include bulbs, switches or buzzers.
Electricity	The flow of an electric current or charge through a material, eg. from a power source through wires to an appliance.
Generate	To make or produce.
Battery	A device that stores electrical energy as a chemical.
Renewable	A source of electricity that will not run out. These include solar, nuclear, geothermal, hydro and wind.
Non-renewable	This source of energy will eventually run out and so will no longer be able to be used to make electricity. These include fossil fuels – coal, oil and natural gas.
Appliances	A piece of equipment or device designed to perform a particular job, such as a washing machine or mobile phone.

What are electrical conductors and insulators?

Objects that are made from materials that allow electricity to pass through create a complete circuit and are called **electrical conductors**.

Objects that are made from materials that do not allow electricity to pass through and do not complete a circuit are called **electrical insulators**.

