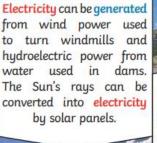
Year 4 Electricity

Key Vocabulary	
Circuit	A system of electrical components that make up an electrical circuit
Cell	Converts energy to electricity
Wire	A length of material that conducts electricity
Bulb	A device that provides light when electricity passes through it
Appliance	A device designed to perform a task
Batteries	A collection of cells
Current	The steady flow of electrons
Voltage	A collection of cells



and natural gases are fossil fuels which, when burnt, produce heat which can be used to generate electricity.





ills and ver from dams. can be lectricity rels. Nuclear energy is created when atoms are split. This creates heat which can be used to generate electricity. Coothormal energy

to generate electricity. Geothermal energy is heat from the Earth that is converted into electricity. There are two main types of electricity: Mains Electricity

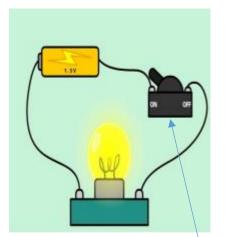
Electricity from batteries



Natural electricity occurs in the form of lightning or static electricity.

This is a simple circuit. An electric current flows around the circuit. The current is the flow of electrical charge.

Some things allow electric currant to pass through (conductors) and some things do not (insulators).



Good conductors: metals such as copper iron and steel.

Good insulators: Plastics and wood.

Switches can be used to stop or allow electrical current to flow around a circuit.