

# How is electricity used in every day life?



Light



Sound



Movement










Heat

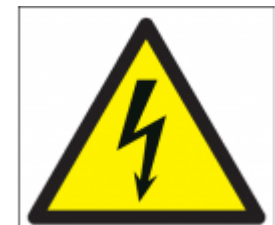
A source of electricity (mains or battery) is needed for electrical devices to work.

A complete circuit (made up of different components) is needed for electricity to flow and for devices to work.

Thomas Edison developed many devices including the early version of the electric light bulb over one hundred years ago in 1879.

Electricity	A form of energy formed by charged particles
Circuit	A path that an electrical current can flow around.
Components	The parts used to make a circuit
Conductor	Any material that electricity can pass through or along (e.g. metal).
Insulator	Any material that electricity cannot pass through or along (e.g. plastic).
Current	Stream of charged particles moving through an electrical conductor.
Voltage	An electrical force that makes electricity move through a wire, measured in volts (V)

 <p>Cell</p> <p>a device used to generate electricity</p>	 <p>Battery</p> <p>more than one cell</p>	 <p>Bulb</p> <p>provides light when powered</p>	 <p>Wires</p> <p>a long piece of metal, often covered in plastic for safety</p>	 <p>Switch</p> <p>opens and closes the circuit</p>	 <p>Motor</p> <p>a device that changes electrical energy into movement</p>	 <p>Buzzer</p> <p>an electrical device that makes a buzzing sound</p>
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Electricity can be dangerous if it is not used properly. If electricity is not used safely, it can cause fires, burns, electrical shocks or, in the worst cases, result in death.