

Electricity

Sticky Knowledge – Science

electricity	A form of energy that can be carried by wires and is used for heating and lighting, and to provide power for devices.
mains electricity	Electricity that comes from the wall plug.
electrical appliance	A device or machine in your home that you use to do a job such as cleaning or cooking. Appliances are often electrical.
electrical circuit	A complete route which electric current can flow around.
energy	The power from sources such as electricity that makes machines work or provides heat.
conductor	A material that allows electricity to pass through easily.
insulator	Material that doesn't allow electricity to pass through.

Examples of electrical appliances



Examples of mains-powered devices



Examples of battery-powered devices



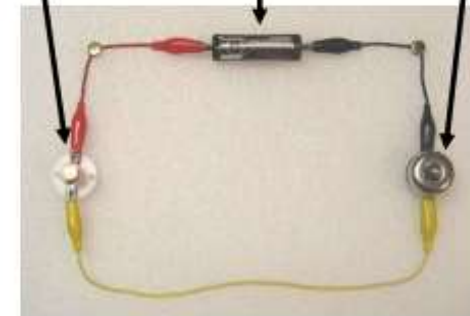
Some materials let electricity pass through them easily such as iron, copper and steel. These are called **electrical conductors**.



Some materials do not allow electricity to pass through them such as wood and rubber. These are called **electrical insulators**.



Bulb Cell Switch



The switch opens and closes the circuit. The bulb lights up because the switch is on

Scientific Lines of Enquiry

