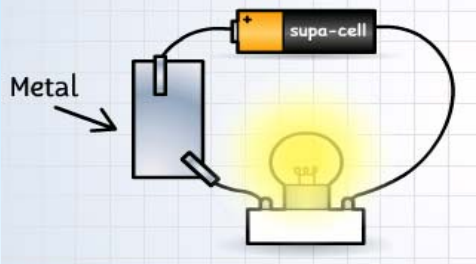
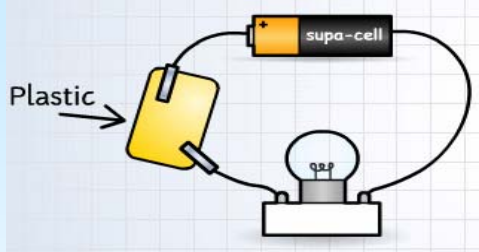


Circuits and Conductors Fact Sheet



Metal is a good **electrical conductor**. It allows electricity to flow through it. Can you think of other materials that are effective conductors.

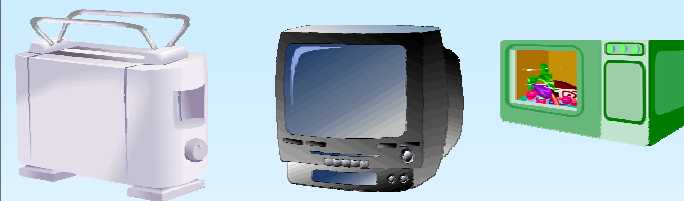
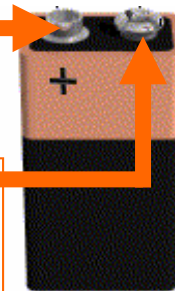


Plastic does not conduct electricity. We use plastic as an **electrical insulator**. Can you think of other materials that are electrical insulators.

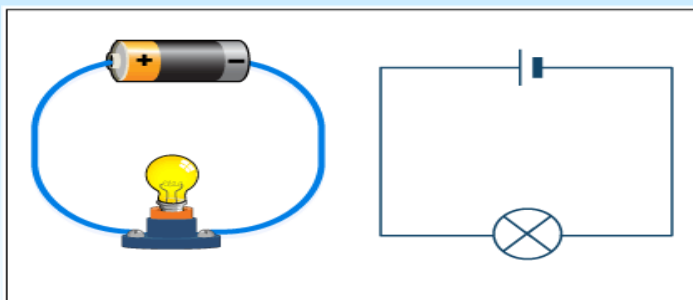
A **battery** is the power source in a **circuit**. It has two terminals

positive terminal

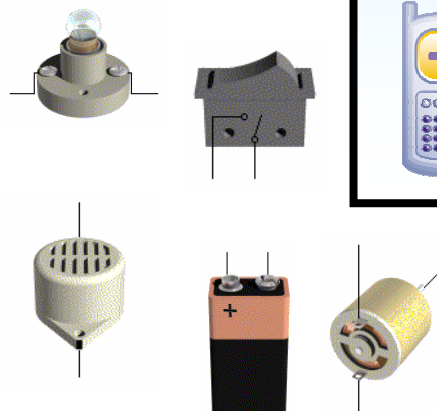
negative terminal



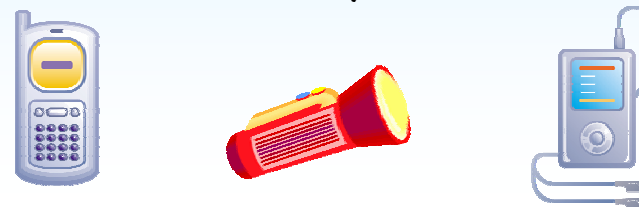
Household Appliances are powered by mains electricity or batteries.



Electrical **circuits** can be represented as **circuit diagrams**.



These **components** are used to build **electrical circuits**. Which ones do you recognise?



Circuits and Conductors Glossary

appliance - a household device that uses electricity - can be either mains or battery powered	electrical insulator - a material which <u>does not</u> allow electricity to flow through it e.g. wood, plastic
battery - the power source in a circuit made up of two or more cells	mains electricity - electricity supplied for use in homes and businesses
break - an interruption in the flow of electricity	leads - the wires used to join electrical components
bulb - an electrical component which lights up in a circuit	terminal - the end of a cell or battery - each cell has a positive (+) and a negative (-) terminal
circuit - a circuit is formed when electricity flows through the electrical components	terminals - the parts of the battery that need to be connected in the circuit
circuit diagram - a diagram that uses conventional symbols to represent the components of an electrical circuit	
current - a flow of electricity around a circuit	
electrical conductor - a material that allows electricity to flow through it e.g. metals	

