Year 4 Spring 2 Science –Electricity

Glossary	
Appliances	Electrical devices used for a particular purpose.
Cell	A portable store of energy.
Battery	Two or more cells joined together to store more energy.
Switch	A device that opens and closes an electrical circuit

What are conductors and insulators?

A conductor is a material which allows energy to flow through it.

Metals are good conductors.

An insulator does not allow energy to flow through it.

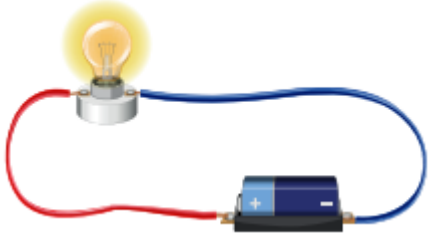
Materials which are insulators are rubber, plastic and wood.

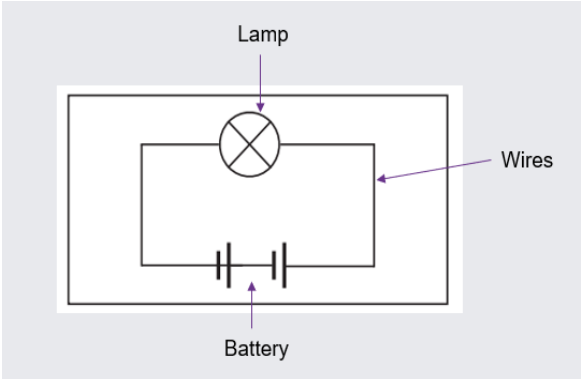
What is a circuit?

An electrical circuit is a closed path that energy can flow through.

For a circuit to be complete, there must be wires connected to both the positive and negative terminals of the power supply.

Circuits can include bulbs, wires, switches, buzzers and cells connected in one loop.





What common appliances use electricity?

Microwaves, kettles, remotes and phones are examples of appliances that use electricity.

Some appliances require mains electricity and some require cells or batteries.

Appliances powered by main electricity need a plug which fits into a socket.

Can electricity be dangerous?

Electricity can be extremely harmful. Liquids and wet hands should be kept away from electrical appliances and circuits.