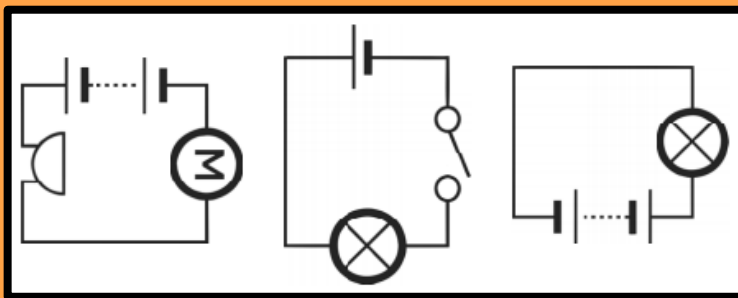
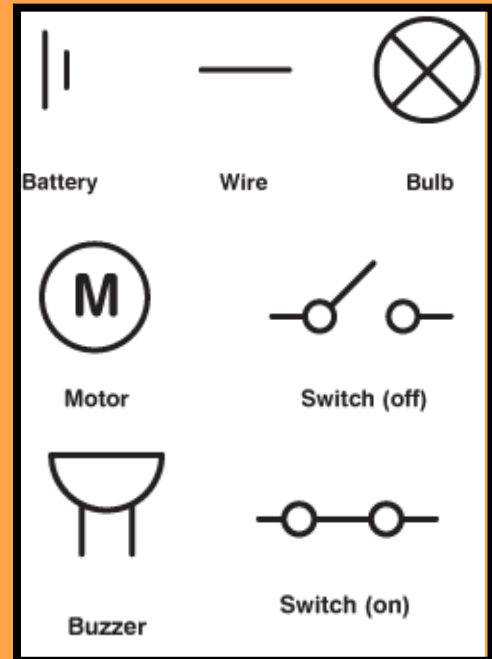


Key Facts

- Electricity is a type of energy which can be used to power household items like toasters, tvs, kettles, play stations, fridges and washing machines.
- Electricity can be found in a mains or battery. Mains need plugging into a socket and battery's have stored electricity which can be put into electrical items. These can sometimes be charged.
- Electricity is made by electrons (particles in an atom) moving around in a current.
- For electricity to work it needs to be in a circuit. If the circuit is broken, it will not work.
- The battery, or cell, has a positive and negative side, they must always have opposite sides facing.
- Switches can be made using conductors. Switches break an electrical circuit.
- Some objects conduct electricity; this means they allow electricity to flow through them easily. These are called **conductors**.
- Other objects do not allow electricity to flow through them easily, these are called **insulators**.



KEY VOCABULARY

Component	A single item that can be connected together to make an electrical circuit.
Cell (Battery)	A container consisting of one or more cells which chemical energy is converted into electricity and used as a source of power.
Wire	A length of wire used to carry an electrical current.
Buzzer	An electrical device that makes a buzzing sound.
Motor	An electrical device that moves.
Switch	A device for making and breaking the connection in an electric circuit.
Circuit	A system of electrical conductors and components forming an electrical circuit.
Connection	Linking together.
Break	Separate into parts.
Device	Something made for a special purpose.
Appliance	A device or piece of equipment designed to perform a specific task.
Safety	Freedom from danger or harm.
Conductor	Allows an electric current to flow.
Insulator	Doesn't allow electricity to flow.

Staying Safe with Electricity



Working Scientifically

- By observing patterns like making bulbs brighter by adding more cells or exploring the conductors of electricity.

LINKS IN THE CURRICULUM:

Year 6 -
Electrical circuits