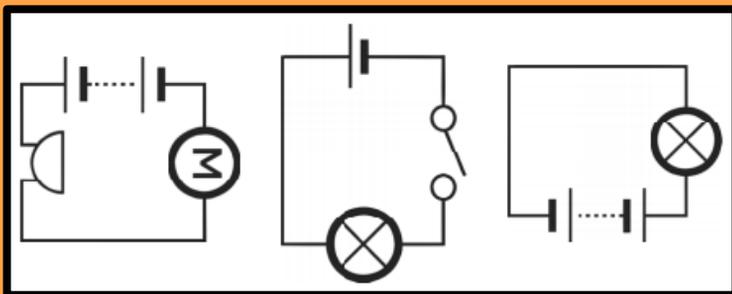
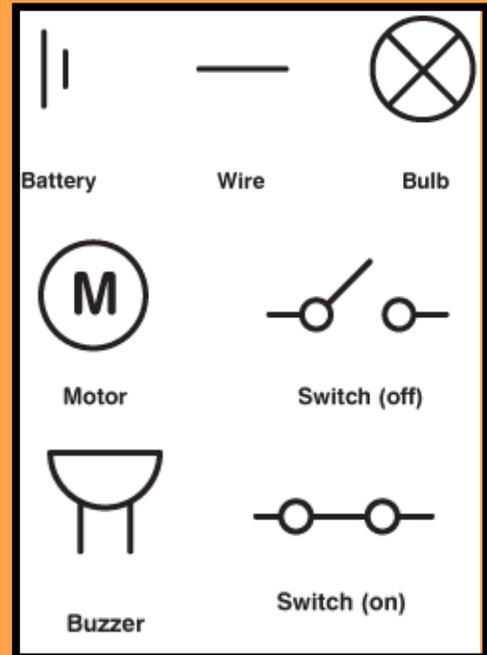


Key Facts

- 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