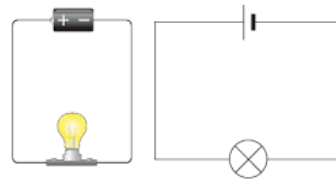
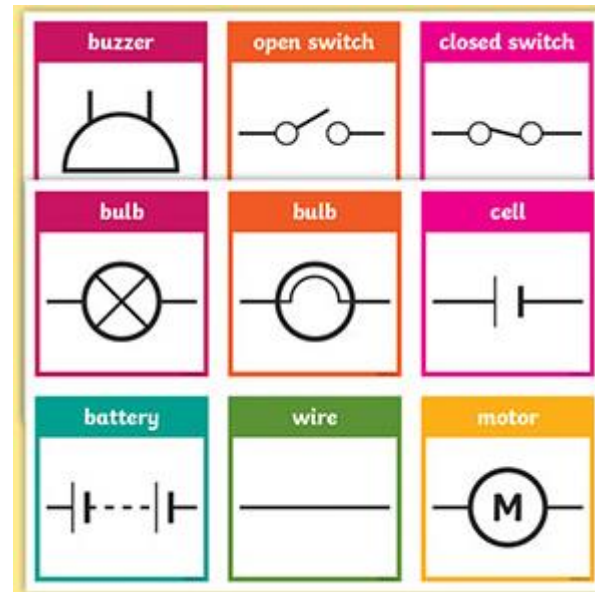


Year 6 Electricity

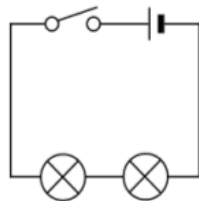
Key Vocabulary	
Circuit	A path that an electrical current can flow around.
Complete circuit	Is a complete loop with electricity flowing from the cell to the component (eg a bulb) and back to the cell again.
Symbol	A visual picture that stands for something else.
Cell/battery	A device that stores energy as a chemical until it is needed. A cell is a single unit. A battery is a collection of units.
Voltage	The force that makes the electric current move through the wires. The greater the voltage, the more current will flow.

These symbols can be used to create circuit diagrams.



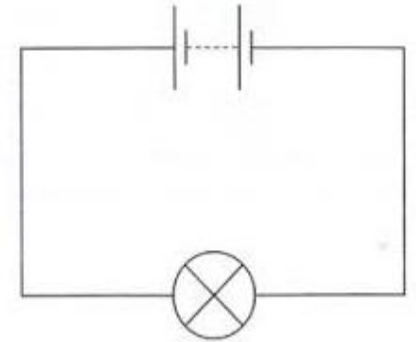
Switches

Turning a switch off breaks the circuit so the circuit is not complete and electricity cannot flow. Any bulbs or buzzers in the circuit will also turn off.



What will make a bulb brighter or a buzzer louder?

- More cells or a higher voltage creates more power to flow through the circuit.
- Shortening the wires means the electrons have less resistance to flow through.



What will make a bulb dimmer or a buzzer quieter?

- Fewer batteries (or one cell in this example) or a lower voltage gives less power to the circuit.
- More bulbs or buzzers means the power is shared by more

