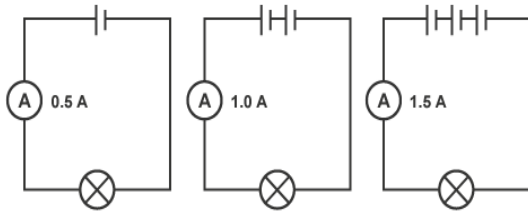


# Electricity

I can explain how the number of voltage cells affects bulbs, buzzers or motors in a circuit

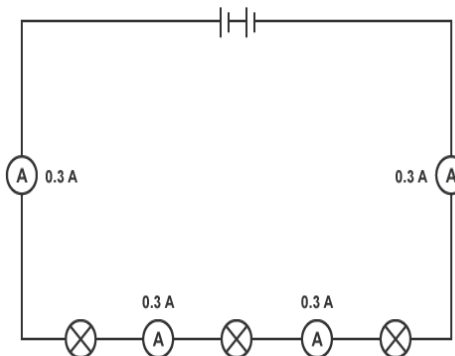
## Adding more cells

The current in a series circuit depends upon the number of cells. The more cells you add, the greater the current. This will make the bulb brighter, the buzzer louder and the motor faster.



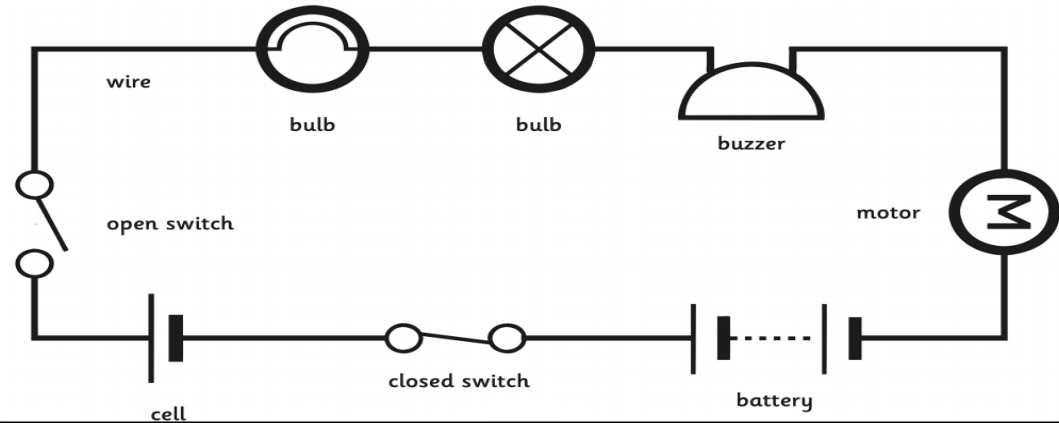
## Adding more resistors

If you put more lamps into a series circuit, the lamps will be dimmer than before because less current will flow through them.



The current flowing through each lamp is less when there are more lamps, but it is still the same everywhere in this series circuit.

I can use recognised symbols when representing a simple circuit in a diagram



## Key Vocabulary

## Definition

Voltage	A force that makes electricity move through a wire measured in volts with a voltmeter
Brightness	The amount of light given out
Volume	The quantity of sound (how loud/quiet)
Switches	A device used to make or break an electrical circuit
Danger	A cause or likely cause of harm or injury
Series circuit	A circuit with only one path for the electricity to flow with more than one <u>resistor</u>
Bulb	The glass part of an electric lamp, which gives out light when electricity passes through it
Buzzer	An electrical device that makes a buzzing noise
Motor	An electric motor changes electrical energy into mechanical power (movement)