

Bulbs and Buzzers Knowledge Organiser

Subject Specific Vocabulary	
Bulb	A glass globe that produces electric light.
Buzzer	A device that makes a buzzing noise as a signal.
Battery	A device for storing and sharing electricity.
Cell	A device for producing electric current.
Wire	A piece of wire used to carry electric current.
Motor	A machine providing power to drive machinery.
Switch	A device which you press to start or stop current passing through the circuit.
Circuit	The path of electric current.
Series	A number of components following or connected with each-other.
Current	The flow of electricity along a wire.
Volts	A unit for measuring electric force.

Sticky knowledge

Open Switch Battery Lamp/Bulb Lamp/Bulb
Closed Switch Cell Ammeter Buzzer
Fuse Resistor Resistor Voltmeter

Simple Electric Circuit

What makes a bulb dimmer or a buzzer quieter? - Less batteries or a lower voltage—More buzzers or bulbs mean the power is shared by more components—Lengthening the wire means the electrons have to travel through more resistance.

Definition of a series circuit—A series circuit is a circuit which only has one route for the current to take. If more bulbs or buzzers are added power has to be shared so they will be dimmer or quieter. But if one part of the circuit breaks the circuit is broken and the flow of current stops.