

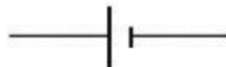
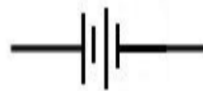
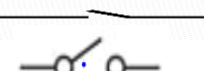






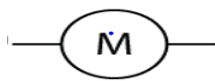


Knowledge Organiser Year 6 Summer 1 ELECTRICITY				
VOCABULARY		CIRCUIT SYMBOLS		CHANGING (SERIES)CIRCUITS
symbol	An image, mark or pattern to represent a real object or to communicate a message.		wire	<u>Changing the number of cells</u> <ul style="list-style-type: none">The <u>greater</u> the number of cells there are ... the <u>brighter</u> the bulb, the <u>louder</u> the buzzer, the <u>faster</u> the motor.The <u>fewer</u> the cells there are ... the <u>dimmer</u> the bulb, the <u>quieter</u> the buzzer, the <u>slower</u> the motor.
circuit	A path through which electricity flows, usually beginning and ending at a battery.			
circuit diagram	A simple representation of an electric circuit using symbols.		bulb	<u>Changing the number of components</u> <ul style="list-style-type: none">The <u>greater</u> the number of bulbs, the <u>dimmer</u> they will be.The <u>fewer</u> the bulbs, the <u>brighter</u> they will be.
complete circuit	An electric circuit with no gaps, allowing the current to flow.			
incomplete circuit	An electric circuit with a gap, preventing the flow of current.		battery made of one cell	<u>Changing the length of wire</u> <ul style="list-style-type: none">The <u>shorter</u> the wire ... the <u>brighter</u> the bulb, the <u>louder</u> the buzzer, the <u>faster</u> the motor.The <u>longer</u> the wire ... the <u>dimmer</u> the bulb, the <u>quieter</u> the buzzer, the <u>slower</u> the motor.
voltage	The force that ‘pushes’ current through a wire.			
volts (V)	Unit of measurement of voltage.		battery made of two cells	
current	The flow of electricity.			
amps (A)	Unit of measurement of current.		switch	<div> dimmer</div> <div> selector</div> <div> push</div> <div> toggle</div> <div> tilt</div>
series circuit	A simple electric circuit where one component follows another.			
buzzer	A component of a circuit that converts electrical energy to sound energy.		buzzer	
motor	A component of a circuit that converts electrical energy to moving energy.			
resistance	A force that opposes (‘pushes against’) the movement of electricity.		motor	