

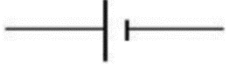
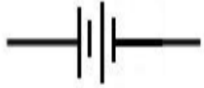





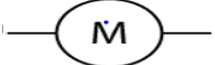


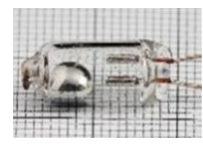


Knowledge Organiser Year 6 Summer 1 ELECTRICITY					
VOCABULARY		CIRCUIT SYMBOLS		CHANGING (SERIES) CIRCUITS	
symbol	An image, mark or pattern to represent a real object or to communicate a message		wire	<b>Changing the number of cells</b> <ul style="list-style-type: none"> <li>The <u>greater</u> the number of cells there are ... the <u>brighter</u> the bulb, the <u>louder</u> the buzzer, the <u>faster</u> the motor.</li> <li>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.</li> </ul>	
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	<b>Changing the number of components</b> <ul style="list-style-type: none"> <li>The <u>greater</u> the number of bulbs, the <u>dimmer</u> they will be.</li> <li>The <u>fewer</u> the bulbs, the <u>brighter</u> they will be.</li> </ul>	
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	<b>Changing the length of wire</b> <ul style="list-style-type: none"> <li>The <u>shorter</u> the wire ... the <u>brighter</u> the bulb, the <u>louder</u> the buzzer, the <u>faster</u> the motor.</li> <li>The <u>longer</u> the wire ... the <u>dimmer</u> the bulb, the <u>quieter</u> the buzzer, the <u>slower</u> the motor.</li> </ul>	
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	 or 	switch	<b>TYPES OF SWITCHES</b>	
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	 dimmer	 push
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	 selector	 toggle
				 tilt	

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