

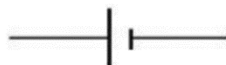
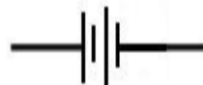
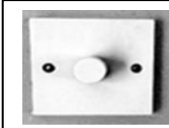


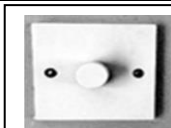


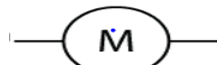




Knowledge Organiser Year 6 Summer 1 ELECTRICITY

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	TYPES OF SWITCHES <div><div> dimmer</div><div> selector</div><div> toggle</div><div> push</div><div> tilt</div></div>	
current	The flow of electricity				
amps (A)	Unit of measurement of current	 or 	switch		
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		

