

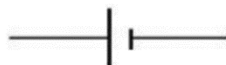
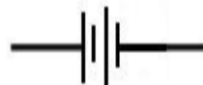
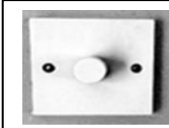


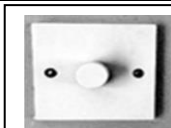


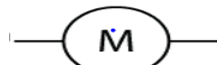




Knowledge Organiser Year 6 Summer 1 ELECTRICITY

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	
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	<div> dimmer</div> <div> selector</div> <div> push</div>	
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	<div> toggle</div> <div> tilt</div>	

