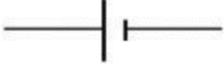
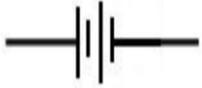
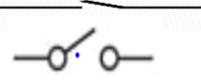


Knowledge Organiser Year 6 Summer 1 ELECTRICITY						
VOCABULARY		CIRCUIT SYMBOLS		CHANGING (SERIES) CIRCUITS		
symbol	An image, mark or pattern to represent a real object or to communicate a message.		wire	Changing the number of cells <ul style="list-style-type: none"> The <u>greater</u> the number 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	Changing the number of components <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	Changing the length of wire <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	TYPES OF SWITCHES		
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