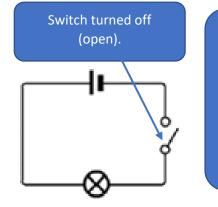
Key vocabulary		
circuit	uit A complete path that an electric	
	current can flow around. It flows from	
	the battery, through wires and	
	devices before returning to the	
	battery. If the circuit is not complete	
	the electric current cannot flow.	
circuit	A symbol used to represent various	
symbol	electronic components or functions in	
	a diagram of a circuit.	
circuit	A visual representation of an electrical	
diagram	circuit using symbols to represent the	
	electrical components.	
cell	A single electrical energy source.	
battery	A device consisting of one or more	
	cells.	
switch	An electrical component that can	
	make or break an electrical circuit.	
	When a switch is open (off), there is a	
	gap in the circuit and electricity	
	cannot flow around the circuit.	
voltage	Volts are a measure of the energy of a	
	flow of electricity. Mains electricity	
	carries a voltage of 210-240 volts. A	
	typical cell in school has 1.5 volts.	



This breaks the circuit so it is not complete and electricity cannot flow. The bulb will turn off.

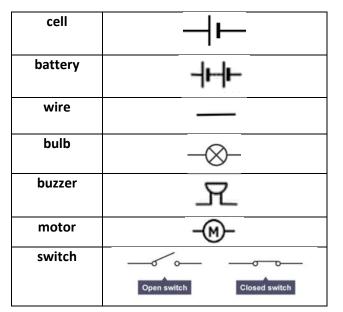
Electricity – Year 6

	Significant scientists		
	Nicholas Tesla	Nicholas Tesla was a Serbian-	
	(1856-1943)	American engineer and	
	(Carola	physicist. He invented the first	
	and and	alternating current (AC) motor	
	S and	and developed AC generation	
		and transmission technology.	
		He worked for Thomas Edison	
14		when he first moved to New	
		York.	

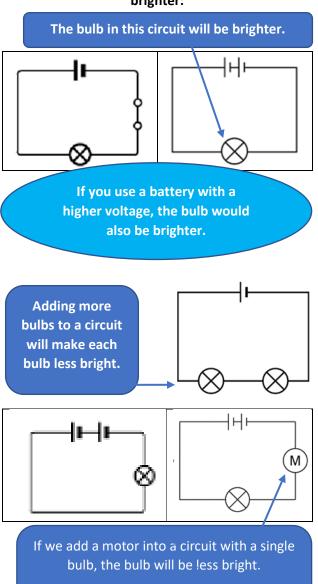


Peter Rawlinson is a British engineer based in California. He is working on the development of electric vehicles, providing clear vision for a next-generation product.

Circuit symbols



Adding more cells to a circuit makes a bulb brighter:



If we then add more motors to the circuit, each motor will spin more slowly.