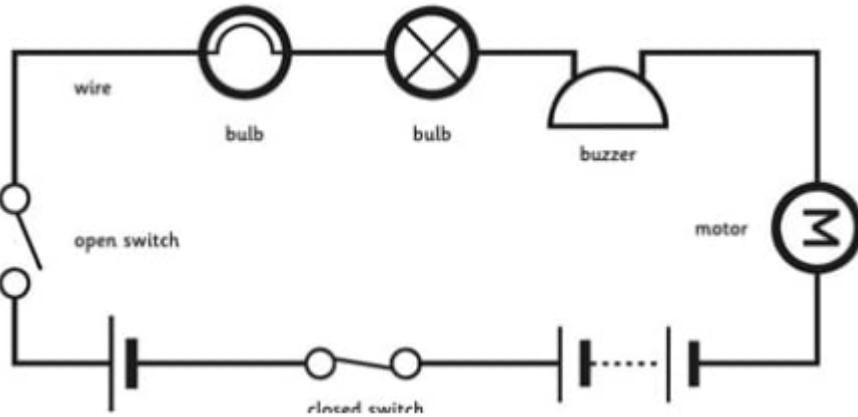




Physics–Electricity



Subject Specific Vocabulary		Associated Diagram	Sticky Knowledge
Electrical circuit	A path which electricity can flow round.	<p>Label the symbols in this circuit.</p> 	<p>How does the voltage of a battery affect the brightness of a bulb and the volume of a buzzer? Why?</p> <p>The bulb will be brighter and the buzzer louder if the voltage is higher because there is more electricity in the battery.</p>
Open circuit	A circuit in which the path is interrupted meaning the electricity will not flow the whole way round. This stops certain components from working.		
Closed circuit	A circuit in which the path is not interrupted meaning the electricity will flow the whole way round. This means all components should work.		
Current	A flow of electricity.		
Voltage	The 'push' of electricity. How powerful the electricity is. It's measured in volts.		
Component	Part of a circuit.		
Function	The job of a component.		
Motor	A machine that supplies power through movement.		
Cell	Something which generates electricity (one part of a battery).		<p>How does having a different number of bulbs in a circuit affect the brightness of the bulb?</p> <p>The more bulbs, the dimmer the light bulbs due to the electricity being 'shared' amongst the bulbs.</p>
Battery	More than one cell.		
Symbol	Represents a part of a circuit.		
Diagram	A simplified drawing using symbols.		