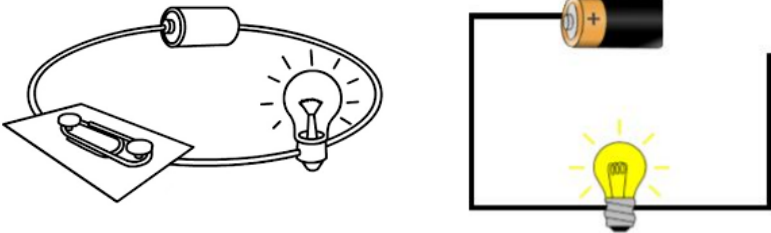
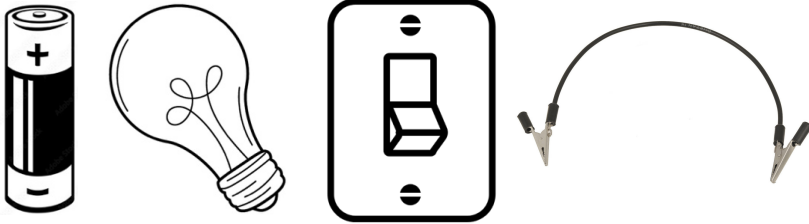




How can I light up a bulb?

Key knowledge (Fab 5)	Models and Images to support learning	Vocabulary (BIG 6)
<p>1. Electricity is a type of energy which many everyday appliances rely on to be able to work. Some use mains electricity and others have a battery.</p> <p>2. A circuit allows electricity to flow out of the battery, through all the components and then back to the battery.</p> <p>3. The components will only work in a complete circuit where the electricity can flow. If there is a break in the circuit, the components will not work.</p> <p>4. A switch can break or reconnect a circuit. It controls the flow of the electrical current around the circuit. When the switch is off, the current cannot flow.</p> <p>5. Some materials conduct electricity and some do not (insulators).</p>	<p style="text-align: center;">A simple circuit An incomplete circuit</p> 	<p style="text-align: center;">Circuit</p> <p>A loop made of wire and components which electricity flows around.</p>
	<p style="text-align: center;">Components</p>  <p style="text-align: center;">cell bulb switch wires</p>	<p style="text-align: center;">Component</p> <p>A part in an electrical circuit, such as a battery or bulb.</p>
	<p style="text-align: center;">Conductors</p> 	<p style="text-align: center;">Battery/ Cell</p> <p>The component of a circuit that is the source of power.</p>
	<p style="text-align: center;">Insulators</p> 	<p style="text-align: center;">Switch</p> <p>The component that turns a circuit 'on' and 'off'. It controls the flow of electricity around the circuit.</p>
		<p style="text-align: center;">Conductor</p> <p>A material which electricity can flow through.</p>
	<p style="text-align: center;">Insulator</p> <p>A material which electricity cannot flow through.</p>	

