

What is an electric circuit?

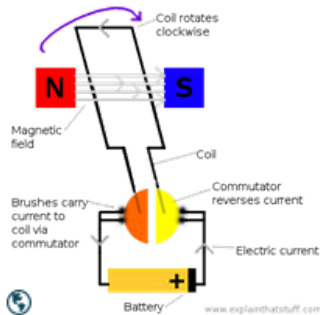


Electric Circuits

- A path that electricity can flow
- Needs to have the following three items
 - A source of electrical energy.
 - battery, solar cell and outlets
 - A conductor of electrical energy that connects all parts of the electric circuits.
 - wire
 - A transformer changes the electrical energy into something else
 - light bulb, fan, television
- Can be open- electricity stops
- Can be closed- electricity flows

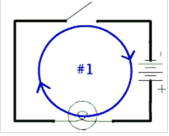
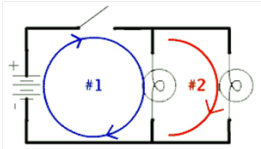
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What energy comes from a circuit?

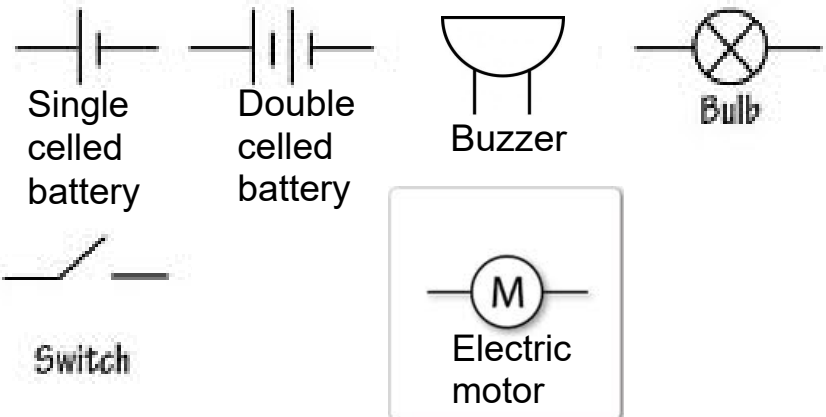


- Light energy- light bulb
- Sound energy- buzzer
- Heat energy- warm temperature like a toaster
- Mechanical motion- fan, motor or generator

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<p>Series circuit</p>  <p>Parallel circuit</p> 	<ul style="list-style-type: none"> ● Electricity flows through one path ● If circuit is open, electricity immediately stops <ul style="list-style-type: none"> ● Electricity flows through more than one path ● If the circuit is open, the electricity will flow through the other path
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<p>Symbols</p>	 <p>Single celled battery</p> <p>Double celled battery</p> <p>Buzzer</p> <p>Bulb</p> <p>Switch</p> <p>Electric motor</p> <p><i>pg 21-Circuits</i></p>
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