





Learning Circuits Worksheet



Name	
Class	
Teacher	
Date	

Exercise 1 – Device power





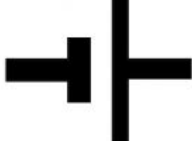

Mark the box next to how each device is powered. *Covered in Electricity Basics.*

Desktop computer	Remote control toy	Microwave	Mobile phone
			
<input type="checkbox"/> Mains	<input type="checkbox"/> Mains	<input type="checkbox"/> Mains	<input type="checkbox"/> Mains
<input type="checkbox"/> Battery	<input type="checkbox"/> Battery	<input type="checkbox"/> Battery	<input type="checkbox"/> Battery

Washing machine	Television	Remote control	Torch / flashlight
			
<input type="checkbox"/> Mains	<input type="checkbox"/> Mains	<input type="checkbox"/> Mains	<input type="checkbox"/> Mains
<input type="checkbox"/> Battery	<input type="checkbox"/> Battery	<input type="checkbox"/> Battery	<input type="checkbox"/> Battery

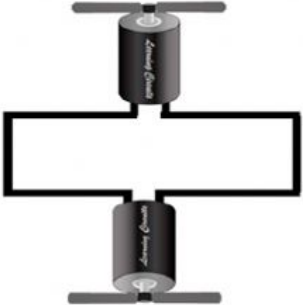
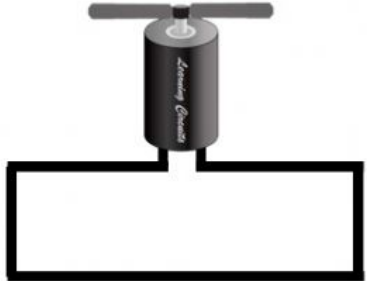
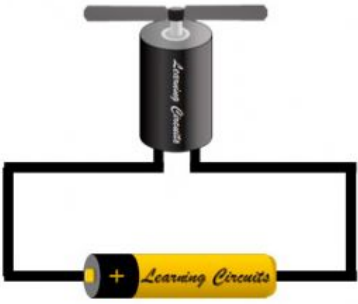
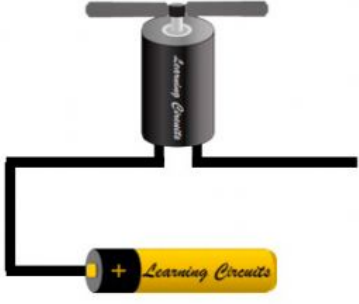
Exercise 2 - Components and symbols

Write the name of each component next to each one. *Covered in Circuit Basics.*

Name	Component	Name	Component
			
			
			

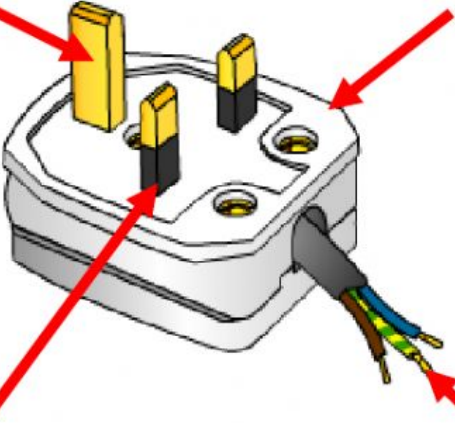
Exercise 3 - Will the circuit work?

Mark the box next to how each device is powered. *Covered in Simple Circuits.*

Circuit 1 	Circuit 2 
<input type="checkbox"/> Will not work	<input type="checkbox"/> Will not work
<input type="checkbox"/> Will work	<input type="checkbox"/> Will work
Circuit 3 	Circuit 4 
<input type="checkbox"/> Will not work	<input type="checkbox"/> Will not work
<input type="checkbox"/> Will work	<input type="checkbox"/> Will work

Exercise 4 – Label the insulators and conductors

Mark the box next to the correct label. *Covered in Insulators and Conductors.*

<input type="checkbox"/> Insulator <input type="checkbox"/> Conductor		<input type="checkbox"/> Insulator <input type="checkbox"/> Conductor
<input type="checkbox"/> Insulator <input type="checkbox"/> Conductor		<input type="checkbox"/> Insulator <input type="checkbox"/> Conductor

Once complete – check your own work in the tutorials, hand to your teacher or parent for marking. Well done for getting to the end – you are a super star.