

# Learning Circuits Worksheet



Name	
Class	
Teacher	
Date	

## Exercise 1 – Device power

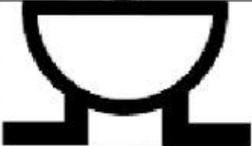
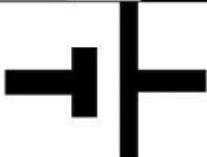
Mark the box next to how each device is powered. *Covered in Electricity Basics.*

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

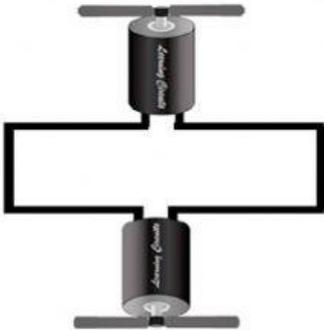
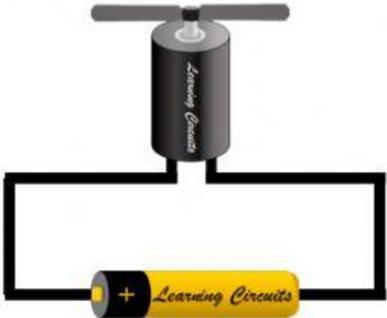
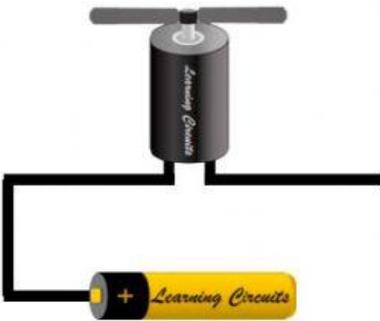
## Exercise 2 - Components and symbols

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

Name	Component	Name	Component
			
			
			

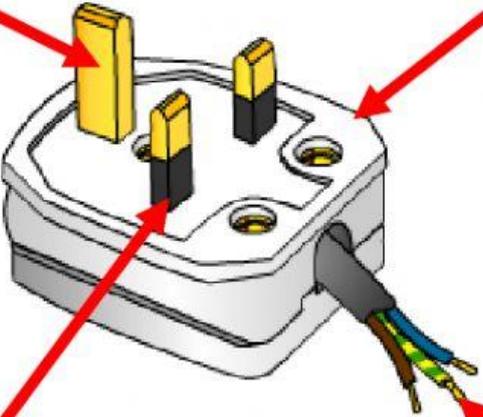
### Exercise 3 - Will the circuit work?

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

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