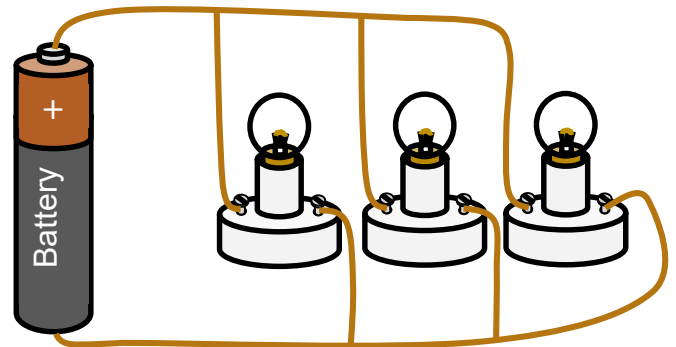


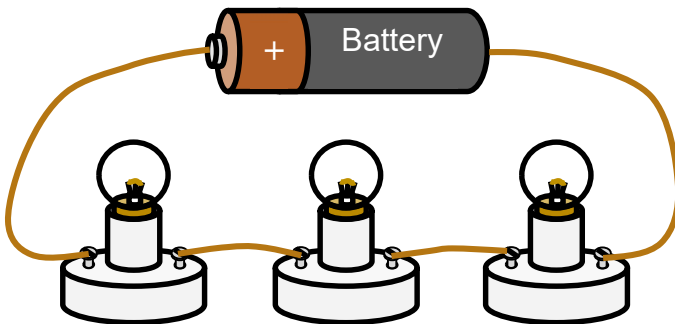
Parallel and Series Circuit



Parallel Circuit



Series Circuit



Introduction

There are two basic types of electrical circuit connection, series and parallel. In a series circuit, the electrical components are connected next to each other in series to form one path for electricity to flow through. And in a parallel circuit, the electrical components are connected in parallel to each other with multiple paths for electricity to flow through. Both circuit connections provide different functions and purposes depending on the requirements.






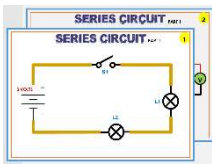
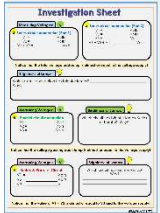
This experiment will provide a better understanding about both circuit types, the characteristics of each circuit connection and the reasons why the circuits are connected in such a way.

The challenge activity will provide a better insight into series and parallel circuits. It highlights the differences between these two circuits in one connection.

Parallel and Series Circuit



Materials Supplied

	Name	Picture	Qty
1	Lamp Holder Module		3
2	Light Bulb		3
3	Switch Module		1
4	Wire Connector		7
5	Single Battery Holder		2
6	Circuit Diagram		1 set
7	Investigation Sheet		1 set

Materials Required (Items that are not included)



2 x 1.5V AA Battery



1 x Multimeter

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