

Series and parallel circuits

Complete the sentences with the words below. Each word can be used only once.

(5 marks, ★★★)

In a series circuit, current is the throughout the circuit and across the components. In a parallel circuit, is the same across each branch of the circuit and splits through the parallel branches. An ammeter must be connected in to work correctly. A voltmeter must be connected in to work correctly.

series

splits

potential difference

resistance

current

parallel

same

energy

circuit

battery