Ω hm $C\Omega$ m $f\Omega$ rts

Wire
Wires joined
Wires not joined
Cell
Battery

DC supply

AC supply Fuse

Earth (Ground)

Lamp (lighting)

Lamp (indicator)

Heater Motor

Bell

<u>Buzzer</u> On-Off Switch

2-way Switch

Resistor

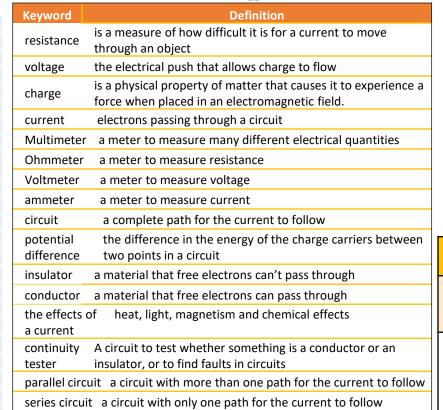
Variable Resistor

Voltmeter

Ammeter

Ohmmeter

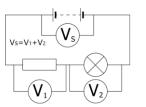
Oscilloscope

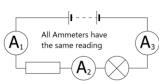


Some particles carry an electric charge. In electric wires these particles are called electrons. An electric current is a flow of charge, and in a wire this will be a flow of electrons.

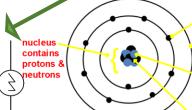
For an electric current to flow we need:

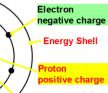
- •Something to transfer the energy to the electrons, such as a cell, battery or power pack.
- •A complete path for the electrons to flow through (a complete circuit





		(3A) T(
Series	Parallel	
$I_s = I_1 = I_2$ $V_s = V_1 + V_2$	$I_s = I_1 + I_2$ $V_s = V_1 = V_2$	Connecting meters Ammeters -> series Voltmeters -> Parallel
I I		Ohmmeters -> no power supply





Neutron no charge

Quantity	Symbol	Unit	Unit symbol
Voltage	V	Volt	V
Current	1	ampere	Α
Resistance	R	ohm	Ω



