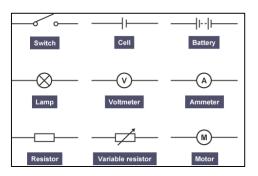
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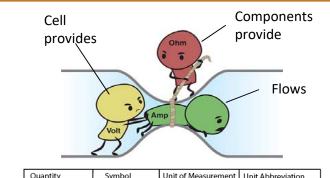


Y8 Electromagnets: Voltage and Resistance

Key equation

Resistance (Ω) = potential difference (V) \div current (I)





Quantity	Symbol	Unit of Measurement	Unit Abbreviation
Current	1	Ampere (Amp)	Α
Voltage	V or E	Volt	٧
Resistance	R	Ohm	Ω

Key words

Current	Flow of electric charge, in amperes (A).	
Electrical conductor	A material that allows current to flow through it easily, and has a low resistance.	
Electrical insulator	A material that does not allow current to flow easily, and has a high resistance.	
Potential difference	The amount of energy shifted from the battery to the moving charge, or from the charge to circuit components, in volts (V).	
Resistance	A property of a component, making it difficult for charge to pass through, in ohms (Ω).	

