



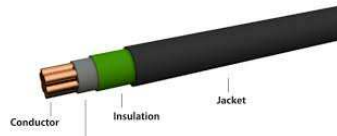
ELECTRICITY

Read and complete the missing parts of this concept map

What is it?

Electric current is the movement of negative electrical charges through a conductor.
Its symbol is (I).

List some typical conductors:



How do we measure (I)? It is measured in Amperes (amps/A) using a tool called

Types of current:

Direct Current (DC): it flows just in direction

Alternating Current (AC): it direction at regular intervals.

What is voltage?

It is the amount of energy carried by electrons and is the force that moves free electrons towards atoms.

What's "voltage" in Italian?



Voltage is supplied by a generator or battery.

A **battery** is a reserve of chemical energy that can be changed into electrical energy.

A **generator** (or dynamo) transforms mechanical energy into electrical energy.



How do we measure voltage? It is measured in *write the unit's symbol as well:*

What is electrical power? It is the rate at which electrical energy moves across an electric circuit.

Electrical power formula: Power = voltage x current [**$P = V \times I$**]

...and can you derive the formula of (V)?

How do we measure (P)? It is measured in **watts** (W)

What is a multimeter



and what does it measure?

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