

# Electrical Energy Notes

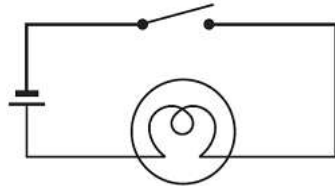
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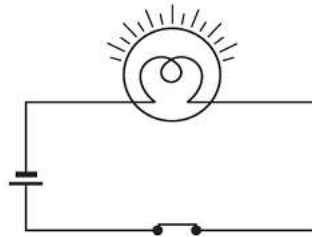
Electricity -

Circuit -

Open circuit -



Closed circuit -



There are two types of circuits

1. Series circuit -

2. Parallel circuit -

Voltage -

Unit of voltage -

When **batteries** are wired in series...

When **batteries** are wired in parallel...

When **bulbs** are wired in series...

When **bulbs** are wired in parallel...

Resistance -

Unit of resistance -

As resistance increases ...

Resistance in a wire is determined by three things:

1.

2.

3.

Electrical current -

Unit of electrical current -

Direct current -

Alternating current -

Electrical conductor -

Example of an electrical conductor -

Electrical insulator (resistor) -

Example of an electrical insulator -

## Renewable ways to generate electricity

Renewable resources -

Solar -

Wind -

Hydroelectric -

Geothermal -