

A cell is a source of potential difference, which is created inside it due to internal chemical reactions.

At anode: $Cu(s) \rightleftharpoons Cu^{2+}(aq) + 2e^{-}$

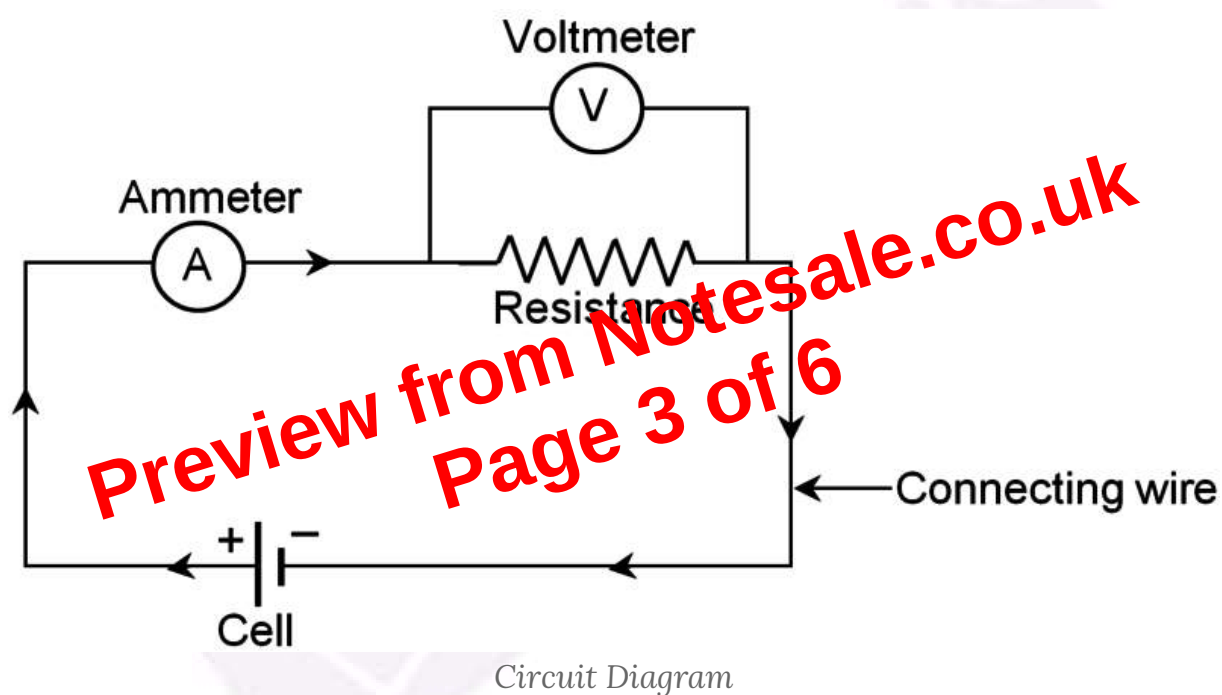
At cathode: $Ag(aq) + 2e^{-} \rightleftharpoons 2Ag(s)$

A combination of cells is called a battery.

Electric Circuit

Electric circuit and circuit diagram

- A closed-loop path which a current take is called an electric circuit.
- Representation of an electric circuit through symbols is called a circuit diagram.



Resistance and Ohm's Law

Ohm's law

The current flowing through an ohmic conductor is directly proportional to the applied potential difference between the two ends of the conductor.

Voltage-Current Characteristics - Ohm's Law Graph

