

Electrolyte

Conductor

Conductors are materials that contain movable charges of electricity. It allow electric current to flow through it.

Conductivity

Can conduct electric current in solid and liquid state.

Example

Metal and Graphite

Non-electrolyte

A non-electrolyte is a substance whose molecules in solution do not dissociate to ions and thus do not conduct electric current.

Conductivity

Cannot conduct electricity in any condition.

Example

Non-metal and Covalent compound (Except Acid)

Electrolyte

An electrolyte is a substance that dissociates into free ions when dissolved (or molten), to produce an electrically conductive medium.

Conductivity

Can conduct electricity when molten or in aqueous solution.
Cannot conduct electricity when in solid state.

Example

Acids, bases or ionic compound

