

Chapter 09

Electric Conductivity of Liquids

Conductivity in liquids:

- Electric current can easily pass through some substances like Aluminium, Copper etc. Such substances, which can allow electric current to pass through them are called as conductors.
- The substances, which does not allow electric current to pass through them, are called insulators.
- All metals are generally conductors substances like wood, polymer are examples of insulators.
- Electrical conductivity in solids can be tested by connecting them in circuits.
- To check the electrical conductivity of liquids, we need to establish a circuit.
- LED bulb connected in circuit will glow when free ends of pins are joined together.
- The liquid whose conductivity is to be tested is taken in a metal cap.
- Distilled water is poor conductor of electricity. Salt water is good conductor of electricity.
- Strength (or) glow of LED bulb depends on conductivity of liquids.
- If the liquid taken is not good conductor of electricity, the intensity of LED bulb reduces.