CLASS-VIII (CANCEPT MAP)

ELECTRICITY

Static electricity: The study of effects of electric charges under rest

- Charge
  - Types
    - Positive
    - Negative
  - Unit — Coulomb
  - Scalar
  - Quantized
  - $1C = 625 \times 10^{16}$ electrons
- Methods of heat transfer
  - Induction
  - Conduction
  - Friction

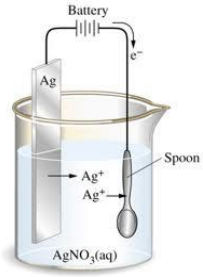
- Conductors
- Insulators
- Semi-conductors

Current electricity: The study of electric charges in motion and their effects

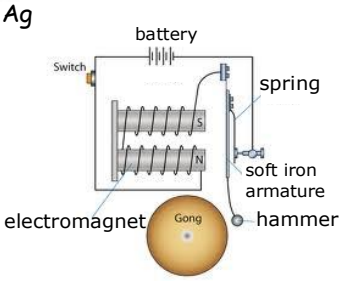
- Current
  - Formula — $current = \frac{charge}{time}$
  - Unit — Ampere
  - Symbol 'I'
- Electric circuit
  - Closed circuit
  - Open circuit

Chemical effect:

Electroplating: The method of plating one metal object with another metal by means of electricity



coating of Ag on spoon

Magnetic effect: When an electric current passes through wire, it produces magnetic field around it.

electromagnet, electrical bell