

Charge's properties:

- Positive Charge
A charge that gives electrons away towards a negative charge
- Negative Charge
A charge that receives electrons from a positive charge

Manners of Charging an object:

- Friction
- Induction
- Physical Contact of charges

Coulomb's Law

Law of conservation of Charge:

- A charge can't be destroyed but can be transferred from one charge to another

Different Charges:

- Mikro coulomb ($\times 10^{-6}$)
- Milli coulomb ($\times 10^{-3}$)
- Pico coulomb ($\times 10^{-12}$)
- Nano coulomb ($\times 10^{-9}$)

Coulomb's Law :

- Any two charges exert an electrostatic force on each other. This force is directly proportional to the product of the two charges and inversely proportional to the distance's square between them.

$$F = \frac{kQ_1Q_2}{r^2}$$