**Electric Fields**

1. How does an object become charged?
   - An object becomes charged when electrons are transferred to or from it. It can be done by:
     - Friction - rubbing
     - Induction - without touching

2. What is an electric field?
   - An electric field is a region of space where the force of the charge can be felt.

   ![Electric field diagram]
   - Field lines or lines of force is path taken by a unit positive charge as it moves when placed in an electric field.
   - Uniform field has same magnitude and direction everywhere.

3. What is electric intensity / electric field strength?
   - Electric intensity / electric field strength is the force exerted per unit positive charge at a point. (Strength of change)

   \[ E = \frac{F}{q} \quad \text{units} = \text{NC}^{-1} \]
   \[ E = \frac{-V}{d} \quad \text{units} = \text{V} \text{m}^{-1} \]