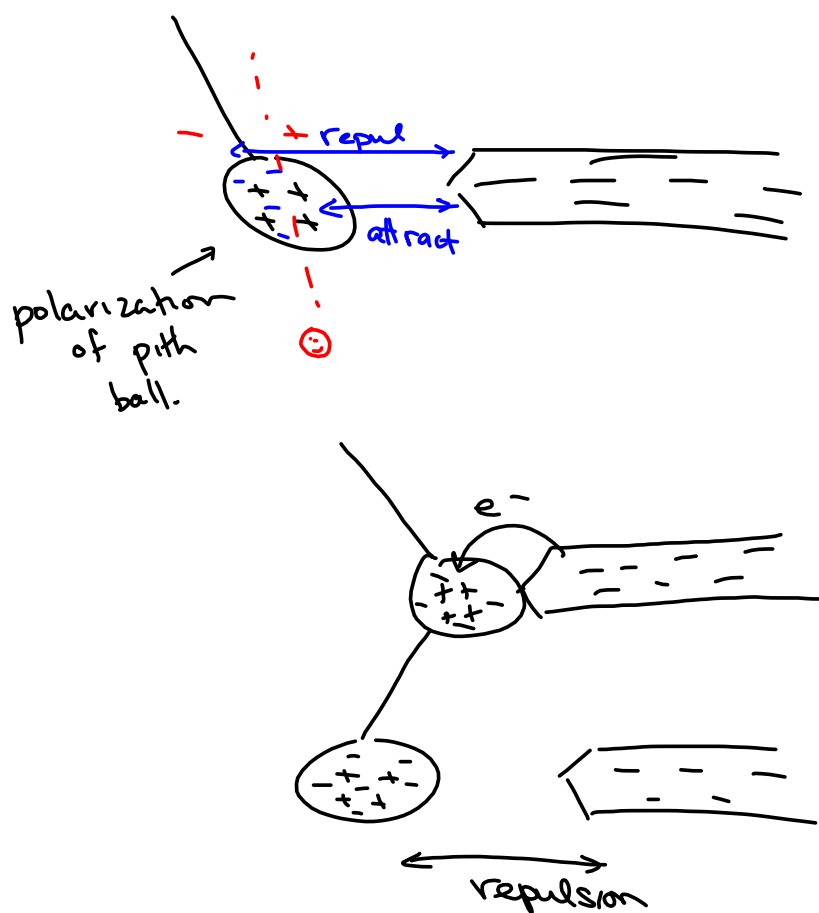


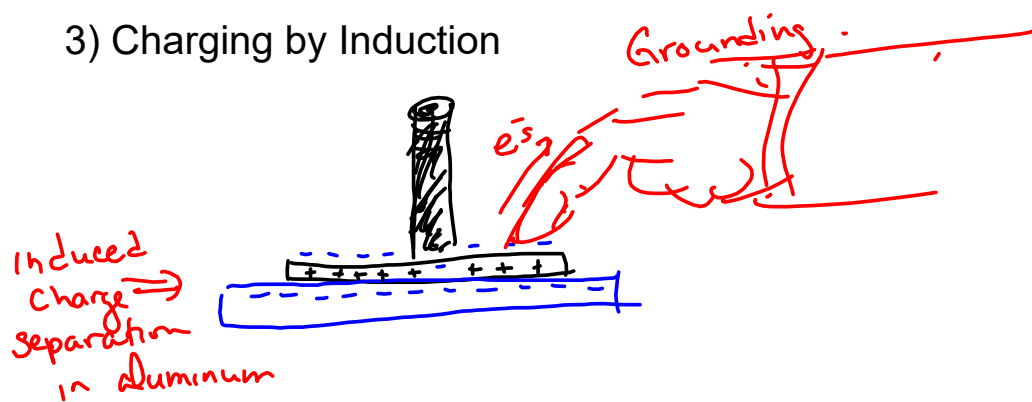
Methods of Charging Objects

1) Charging by Friction

2) Charging by Contact

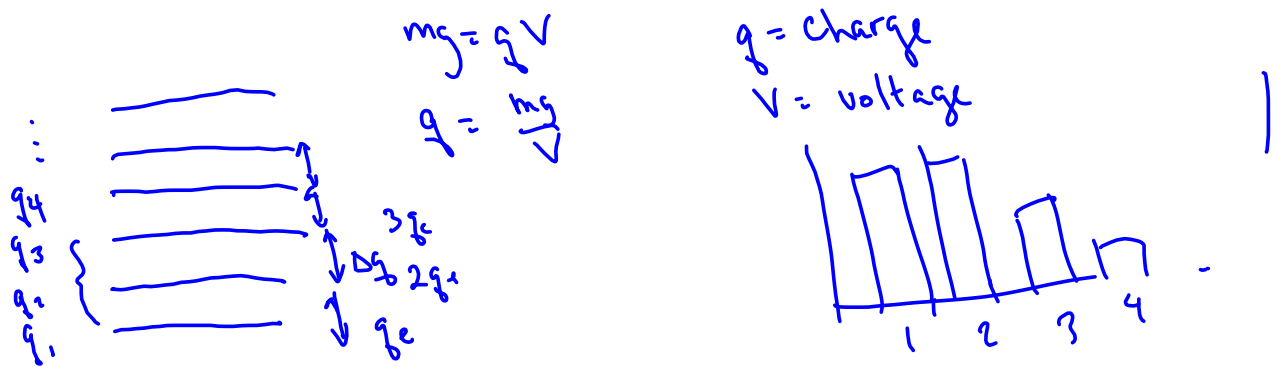
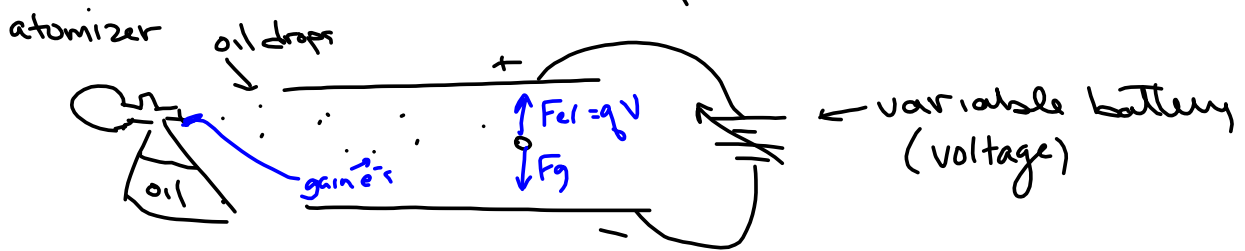


3) Charging by Induction



Unit of charge and Millikan's Experiment

Millikan's oil drop experiment



$$\Delta q = q_e = -1.602 \times 10^{-19} \text{ C}$$

1 C = charge on 6.24×10^{18} protons (Coulomb's)
 (-1 C = charge on $6.24 \times 10^{18} e^-$)

Coulomb's Law