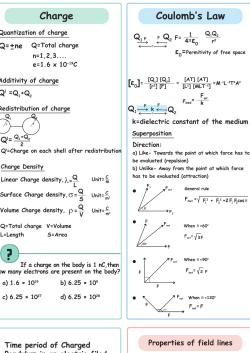
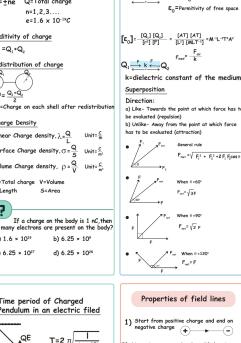
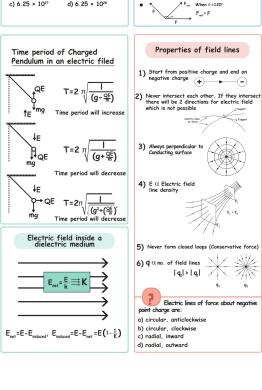
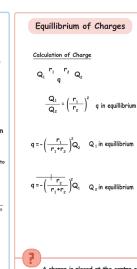
Charge Quantization of charge Q=+ne Q=Total charge n=1,2,3.... Additivity of charge $Q^1 = Q_1 + Q_2$ Redistribution of charge $Q' = Q_1 + Q_2$ Q'=Charge on each shell after redistribution Charge Density Linear Charge density, $\lambda = \frac{Q}{\cdot}$ Surface Charge density, $\sigma = \frac{Q}{c}$ Unit= $\frac{C}{m^2}$ Volume Charge density, $\rho = \frac{Q}{V}$ Unit= $\frac{C}{m^3}$ Q=Total charge V=Volume a) 1.6 × 1019



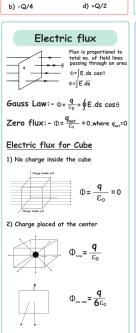


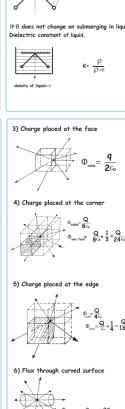




the line joining two equal charges Q. The system of the three charges will be in equilibrium if a

c) +Q/4





Charge on pendulum

