Numbers:

$k = 9.0\text{x}10^9 \frac{\text{N}\cdot\text{m}^2}{\text{C}^2} = \frac{1}{4\pi\varepsilon_0}$ $\quad \varepsilon_o = 8.85\times10^{-12}\frac{C^2}{N\cdot m^2}$ $\quad K_{air} = 1.000$

$m_e = 9.1 \text{ x } 10^{-31}$ kg $\quad m_p = 1.67 \text{ x } 10^{-27}$ kg

$e = 1.6\text{x}10^{-19}\text{C}$ $\quad G = 6.67\text{x}10^{-11}\text{Nm}^2/\text{kg}^2$ $\quad g = 9.80\text{m/s}^2$

Equations:

$v = v_0 + at$ $\quad v^2 = v_0^2 + 2a(x-x_0)$ $\quad v = \frac{v_f+v_0}{2}$

$x = x_0 + v_0t + \frac{1}{2}(at^2)$ $\quad a = \frac{v^2}{r}$ $\quad v_{ave} = \frac{d}{t}$

$F = k\frac{Q_1Q_2}{r^2}$ $\quad F = qE$ $\quad \Phi_E = \frac{q_{encl}}{\varepsilon_0}$

$E = k\frac{Q}{r^2}$ $\quad PE = qV$ $\quad \Phi_E = \Sigma E\Delta A\cos\theta$

$KE = \frac{1}{2}mv^2$ $\quad \Delta V = -E_x\Delta x$ $\quad A_{sphere} = 4\pi r^2$

$\Delta V = Ed$ $\quad W = Fd$ $\quad A_{cylinder} = 2\pi r^2 + 2\pi rh$

$V = k\frac{Q}{r}$ $\quad Q = CV$ $\quad C = \frac{K\varepsilon_o A}{d}$

$I = \Delta Q/\Delta t$ $\quad V = IR$ $\quad PE = \frac{1}{2}CV^2$

$R = \frac{\rho L}{A}$ $\quad P = IV = I^2R = \frac{V^2}{R}$ $\quad P = E/t$

$R_{eq} = R_1 + R_2 + \ldots$ $\quad \frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2} + \ldots$ $\quad I_{rms} = \frac{I_0}{\sqrt{2}};\quad V_{rms} = \frac{V_0}{\sqrt{2}}$

$V_{term} = \varepsilon - Ir$ $\quad V_{term} = \varepsilon\left(\frac{R}{R+r}\right)$