

# Kinetic Theory of Gases – Formula Sheet

- Pressure  $P = \frac{1}{3} \rho v^2$
- Average KE =  $\frac{3}{2} kT$
- rms speed =  $\sqrt{3RT / M}$
- Mean free path  $\lambda = 1 / (\sqrt{2} \pi d^2 n)$