

Reading Assignment 11/5  
(due: Wednesday, November 5, 9 am)

**Read:** §6.4

**1.:** Why isn't the distribution function  $\mathcal{D}(v)$  just equal to the Boltzmann factor?

**2.:** If you double the temperature of an ideal gas, by how what factor does the average speed increase?

**3. Comments:** What of this reading did you find most difficult and what did you find most interesting? Any other comments?

**Homework #25 due Nov. 5:** 6.25, 6.31 and 6.32 a,b