

## Reading Assignment 10/03

(due: Friday, October 3, 9 am)

**Read:** §3.5 & §3.6

**1.:** Do particles go from higher  $\mu$  to lower  $\mu$ , or vice-versa? Explain your answer using the 2nd Law and the definition  $\mu = -T \left( \frac{dS}{dN} \right)_{U,V}$

**2.:** Compression work is given by  $-P dV$ . What is the analogous express for chemical work?

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

**Homework due Fri, Oct. 3:** 3.31 & 3.33

**Homework due Mo, Oct. 6:** 3.34 & TBA