

Chemistry 342  
Spring, 2001  
Problem Set 12

Due Wednesday, November 28

Read chapter 9, sections 1-3.

Do part (b) of exercises 1, 2, 3, 4, 5, and 8. Also do problems 2, 3, and 5.

Suppose a container is filled with 0.3 moles of  $\text{N}_2\text{O}_4$  and 0.5 moles of  $\text{NO}_2$ . Equilibrium is reached at  $T=25\text{ C}$  and  $P=2\text{ atm}$ . Find the equilibrium composition.