

Due date: Thursday, Oct. 4 **Deadline:** Tuesday, Oct. 9

S means a problem in Schroeder's text. The number in parentheses is the number of points.

1.(10) S 3.37 Finding the equilibrium distributions by equating chemical potentials.

2.(10) S 4.1 Efficiency of a cycle of isobars and isochores.

3.(10) S 4.3 Interesting application of these ideas to daily life: Waste heat from power plant.

Other problems are also interesting, esp. S 4.6, but it is not assigned because the algebra is messier than the solution is worth. Try it if you have extra time.