

**General Chemistry II**  
**Problem Set 10**  
**Due Tuesday, December 7, 2004**

1. (3 points) Atkins and Jones Exercise 10.2
2. (6 points) Atkins and Jones Exercise 10.22. Do parts (a), (c), and (e) only. Report all pH to two significant figures (that is, to two decimal places). This is the maximum accuracy we can expect from a pH meter.
3. (10 points) Atkins and Jones Exercise 10.26. Do parts (a) and (c) only. Note that the relevant proton transfer equilibria involve the reactions of either the base or its conjugate acid with water.
4. (8 points) Atkins and Jones Exercise 10.46. Do part (a) only.
5. (6 points) Atkins and Jones Exercise 10.50. Do part (a) only.
6. (8 points) Atkins and Jones Exercise 10.55
7. (7 points) Atkins and Jones Exercise 10.62. Do part (a) only.