

**General Chemistry II**  
**Problem Set 6**  
**Due Friday, October 22, 2004**

**We will try to hand this back on Monday, October 25, the day before Test 2. In any case, the answer key will be posted on the course web page during the weekend.**

For each of the problems below, you should always justify your assignment of hybridization by a Lewis structure which indicates the steric number of the atom in question.

1. (8 points) Atkins and Jones Exercise 3.34
2. (8 points) Atkins and Jones Exercise 3.35
3. (8 points) Atkins and Jones Exercise 3.38