Reading:
Chapter 3: Introduction, 3.1→3.13. This is the whole chapter, except for the last section. Pay special attention to sections 3.2, 3.3, 3.5, 3.7, and 3.8.

Text Problems:
Chapter 3: 1*, 2, 4, 5* (and see footnote to that problem), 7*, 8*, 9, 10, 11*, 13 (tricky!), 14-24, 32, 36*, 37*, 38.

The * indicates an especially worthwhile problem.

Other announcements and useful information:
1. In the next week we will begin by taking up the issue of orbital hybridization at carbon as a basis for understanding the different bonding patterns of carbon atoms in organic molecules.

2. We will see how sp$^3$-hybridized carbon atoms can be arranged in straight and branched chains.

3. We will note that rotations around C–C single bonds occur readily and that different rotational arrangements (called conformations) have different energies. The process of evaluating these energies is known as conformational analysis.