

Homework Set 9
(Distributed 11/9/16; Due on 11/9/16)

Read Chapter 12 in Zumdahl and complete the listed questions from the text: 12, 17, 26, 34, 39, 46. 59, 65, 68, 78, 82; as well as the following problems:

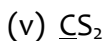
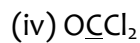
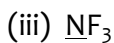
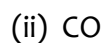
A. Write the symbols for four ions that are isoelectronic with Xe.

B. Indicate the direction of the polarity in each of the following bonds:



Which bond is expected to be the most polar? Why?

C. Draw Lewis dot structures for each of the following molecules:



D. Indicate the expected shape and bond angles around the underlined atom for each of the molecules in part C.