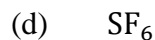


Exercise 11.1

Assigning Oxidation States

1. Draw a Lewis diagram for each of the following molecules, and assign oxidation states to all atoms.



2. Which of the sulfur atoms in question 1 has the most electron density? Which of the sulfur atoms in question 1 has the least electron density? How do you know?

3. Draw a Lewis diagram for each of the following ions, and assign oxidation states to all atoms.

