

Problem Set 9: Lewis Structures, Electron Pair Geometry, and Molecular Geometry

1. Draw a Lewis structure to represent each of the following molecules.

a. NH_3

b. H_2O

c. CCl_4

d. CO_2

e. HCN

f. PCl_3

g. SO_2

2. For each of the molecules in problem #1, determine the electron pair geometry and the molecular geometry.