

Lewis Structures

1. Determine the Lewis structure for each of the following.
 - a. SOCl_2
 - b. POCl_3
 - c. PCl_5
 - d. PCl_3
 - e. HCN
 - f. ClO_3^-
 - g. $\text{C}_4\text{H}_4\text{O}_2$ (acetic acid)

2. Draw 2 reasonable Lewis structures for each of the molecular formula given below.
Convert these into bond-line structures.
 - a. $\text{C}_2\text{H}_6\text{S}$
 - b. $\text{C}_3\text{H}_5\text{Br}$