

Hybridization and Geometries

CHM 1311.003 - Practice Questions

From the formulas given, draw the correct Lewis structure, then give the correct hybridization and geometry for each atom indicated. Give the number of pi and sigma bonds.

1. Acetylene, C_2H_2 (C)

2. $CH_3CH=CH_2$ (all C)

3. SbF_5 (Sb)

4. NH₃ (N)

5. CH₂=O (C)

6. SF₆ (S)