

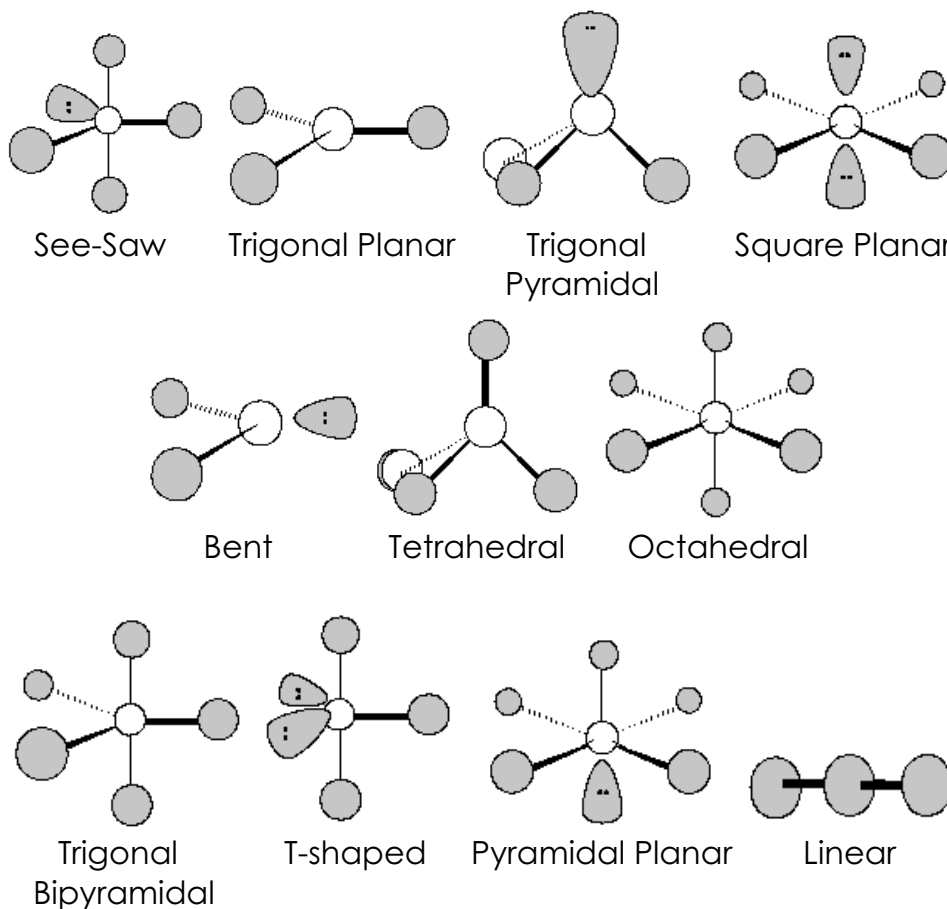
Molecular Geometry Balloon Lab (Group 3)

Materials:

9 atom balloons
3 lone pair balloons
string
scissors
permanent marker

Procedure:

1. Blow up all your balloons to equal sizes.
2. Tie four atom balloons and two lone pair balloons together. Label as AX_4E_2 .
3. Tie five atom balloons and one lone pair balloons together. Label as AX_5E_1 .
4. Make a chart for your data with the following columns: Molecule Name, Molecule Shape, and Drawing of Molecule.



Questions:

1. Draw the correct Lewis dot structure for PCl_3 .
2. Draw the correct Lewis dot structure for SO_2 .
3. Draw the correct Lewis dot structure for HCN .