

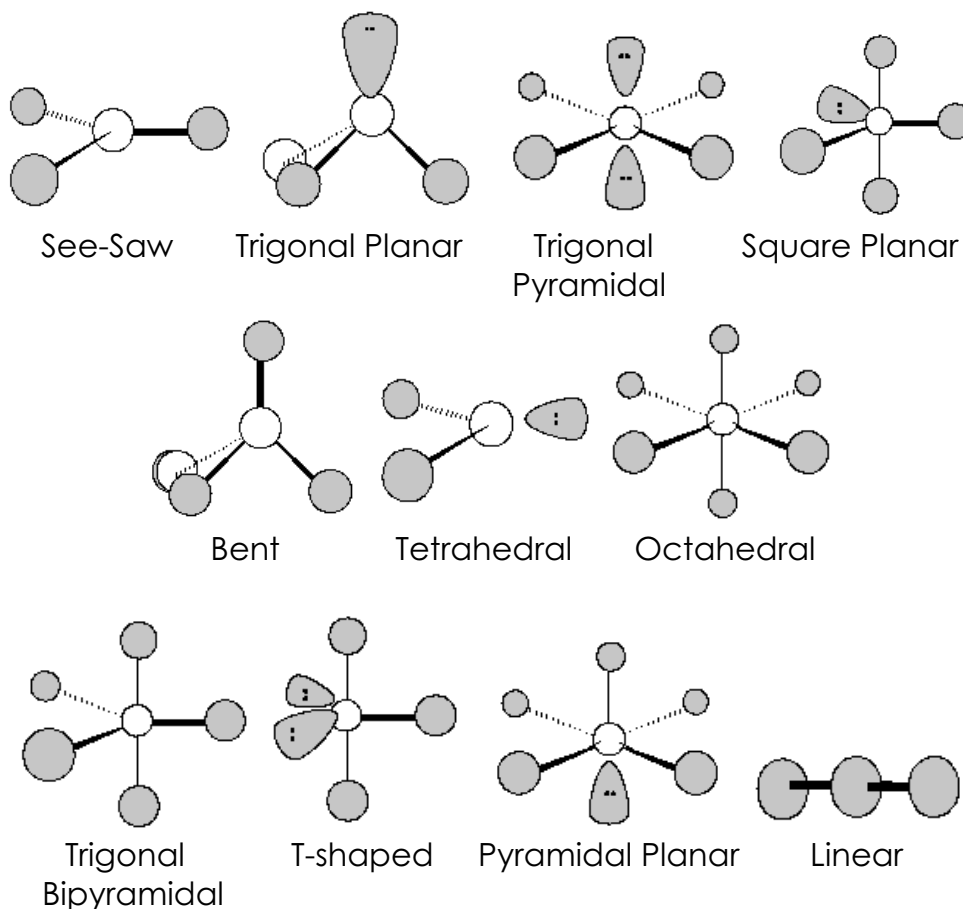
Molecular Geometry Balloon Lab (Group 2)

Materials:

10 atom balloons
3 lone pair balloon
string
scissors
permanent marker

Procedure:

1. Blow up all your balloons to equal sizes.
2. Tie five atom balloons together. Label as AX₅.
3. Tie three atom balloons and two lone pair balloon together. Label as AX₃E₂.
4. Tie two atom balloons and two lone pair balloons together. Label as AX₂E₂.
5. 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 PCl₃.
2. Draw the correct Lewis dot structure for SO₂.
3. Draw the correct Lewis dot structure for HCN.