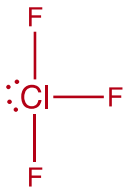


### Electron Pair and Molecular Geometries Part 3

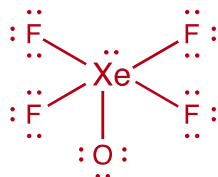
Draw the Lewis structure for  $\text{ClF}_3$  to answer the following questions:



What is the electron pair geometry? **Trigonal bipyramidal**

What is the molecular shape? **T-shaped**

Draw the Lewis structure for  $\text{XeOF}_4$



What is the electron pair geometry? **Octahedral**

What is the molecular shape? **Square pyramid**

Draw the Lewis structure for  $\text{I}_3^-$



What is the electron pair geometry? **Trigonal bipyramidal**

What is the molecular shape? **Linear**

Draw the Lewis structure for  $\text{SF}_2$ .



What is the electron pair geometry? **Tetrahedral**

What is the molecular shape? **Bent**