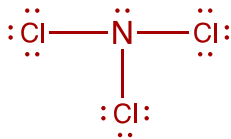


## Electron Pair Geometry and Molecular Shape

Draw the Lewis structure for  $\text{NCl}_3$



How many charge clouds? 4

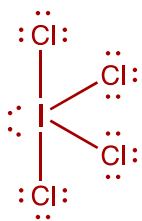
How many bonds on the central atom? 3

How many lone pairs on the central atom? 1

The electron pair geometry is tetrahedral

The molecular geometry (shape) is trigonal pyramidal.

Draw the Lewis structure for  $\text{ICl}_4^-$



How many charge clouds? 6

How many bonds on the central atom? 4

How many lone pairs on the central atom? 2

The electron pair geometry is octahedral

The molecular geometry (shape) is square planar