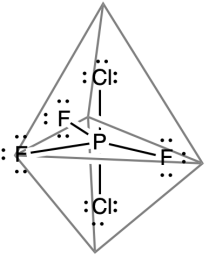
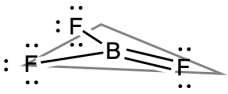
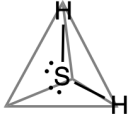
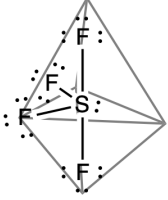
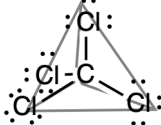
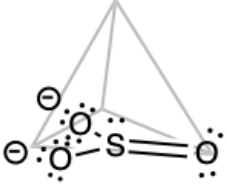
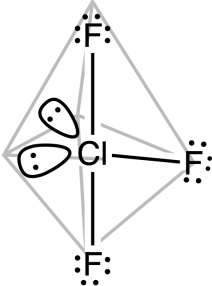
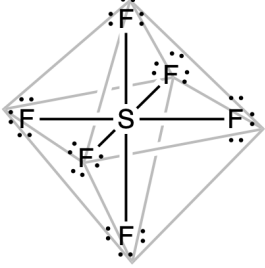
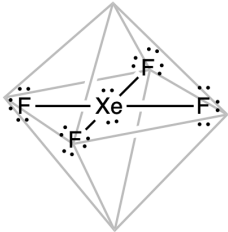


Compound:	Lewis Structure and VSEPR drawing (overlaid):	Hybridization:	Electron Domain Geometry:	Molecular Geometry:	Bond Angles:
PF ₃ Cl ₂		sp ³ d	Trigonal Bipyramidal	Trigonal Bipyramidal	120°, 90°
BF ₃		sp ²	Trigonal Planar	Trigonal Planar	120°
HCN	--H-C≡N:--	sp	Linear	Linear	180°
SH ₂		sp ³	Tetrahedral	Bent	109.5°
SF ₄		sp ² (two sigma bonds from unhybridized p)	Trigonal bipyramidal	See-saw (saw horse)	180°, 120°, 90°
CCl ₄		sp ³	Tetrahedral	Tetrahedral	109.5°
SO ₃ ²⁻		sp ³	Tetrahedral	Trigonal pyramidal	109.5°
ClF ₃		sp ² (two sigma bonds from unhybridized p)	Trigonal Bipyramidal	T-shaped	180°, 90°
SF ₆		sp (four sigma bonds from two unhybridized p's)	Octahedral	Octahedral	90°
XeF ₄		sp (four sigma bonds from two unhybridized p's)	Octahedral	Square planar	90°