

Molecule	OPF ₃	AlCl ₃	HNO ₃	TeF ₄	ClF ₃
Number of Valence Electrons					
Lewis Structure (include all nonzero formal charges)					
Electron Arrangement					
Molecular Geometry					
Bond Angle(s)					
Hybridization					
Polar or Nonpolar Molecule					
Number of sigma (σ) bonds					
Number of pi (π) bonds					
Bond Order					

Molecule	BrI ₅	CF ₂ CF ₂	ClO ₃ ⁻	CH ₃ COCH ₃	H ₂ CCCH ₂
Number of Valence Electrons					
Lewis Structure (include all nonzero formal charges)					
Electron Arrangement					
Molecular Geometry					
Bond Angle(s)					
Hybridization					
Polar or Nonpolar Molecule					
Number of sigma (σ) bonds					
Number of pi (π) bonds					
Bond Order					