

Formula	Total # of Valence Electrons	Lewis Structure (<i>2D drawing</i>)	Molecular Structure (<i>3D drawing</i>)	Molecular Geometry (<i>Write name</i>)	Polar or Nonpolar (<i>Circle one</i>)
CH ₄					Polar Nonpolar
BF ₃					Polar Nonpolar
HCN					Polar Nonpolar
NH ₃					Polar Nonpolar

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NOF					Polar Nonpolar
H ₂ O					Polar Nonpolar
BrF ₅					Polar Nonpolar
FNO ₂					Polar Nonpolar

Formula	Total # of Valence Electrons	Lewis Structure (<i>2D drawing</i>)	Molecular Structure (<i>3D drawing</i>)	Molecular Geometry (<i>Write name</i>)	Polar or Nonpolar (<i>Circle one</i>)
SF ₆					Polar Nonpolar
IF ₄ ⁻					N/A (polyatomic ion)
H ₃ O ⁺					N/A (polyatomic ion)
NH ₄ ⁺					N/A (polyatomic ion)

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ClF_2^+					N/A (polyatomic ion)
N_3^-					N/A (polyatomic ion)
XeF_5^+					N/A (polyatomic ion)
PO_4^{3-}					N/A (polyatomic ion)