

Covalent Bonding Chart 1
AP Chemistry

Molecule and formula	Dot structure, resonance structures if applicable, formal charges	Shape name, 3D drawing, angles	Polar bonds?	Polar molecule?	IMF
Boron tribromide					
Carbon dioxide					
Phosphorus trichloride					
Dichloromethane (CH₂Cl₂)					

Water					
Phosphorus pentaiodide					
Dihydrogen monosulfide					
Hydrochloric acid					
Carbon tetrabromide					

Thiocyanate ion					
Sulfate ion					
OPBr₃ (P is central)					
OCS					
Xenon tetrachloride					

Triazine (C₃H₃N₃) Ring with alternating C and N					
Chlorine monoxide					
Propene (C₃H₆)					
Dinitrogen monoxide (central atom is N)					
Iodine trichloride					