

Name: _____

Section: _____

Formula	Number of valence electrons	Lewis dot structure (including ALL resonance)	VSEPR structure (with dipole moments)	Molecular Geometry	Polar? Nonpolar? Ionic?	Bond angle on central atom(s)
I_2						
NO^-						
CO						
CH_3NH_2						

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Formula	Number of valence electrons	Lewis dot structure (including ALL resonance)	VSEPR structure (with dipole moments)	Molecular Geometry	Polar? Nonpolar? Ionic?	Bond angle on central atom(s)
H ₂ S						
PBr ₃						
ClO ₄ ⁻						
CS ₂						

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Formula	Number of valence electrons	Lewis dot structure (including ALL resonance)	VSEPR structure (with dipole moments)	Molecular Geometry	Polar? Nonpolar? Ionic?	Bond angle on central atom(s)
CHCl_3						
PO_3^{-3}						
PO_4^{-3}						
CH_2O						

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Formula	Number of valence electrons	Lewis dot structure (including ALL resonance)	VSEPR structure (with dipole moments)	Molecular Geometry	Polar? Nonpolar? Ionic?	Bond angle on central atom(s)
SO_3						
SO_3^{-2}						
SO_4^{-2}						
SCN^{-1}						

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NO_2^-						
HCOOH						
BrO_3^-						
IO_2^-						

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CH_2Cl_2						
C_2F_2						
C_2F_4						
C_2F_6						

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$C_2H_2Br_2$ (3 isomers)						
C_2H_6O (2 isomers)						
C_5H_{12} (3 isomers)						