

Name _____ Section _____

Partner _____

CHM 111 Molecular Models Lab Report Form

Fill in the table completely. Where more than one structure is equally possible, just draw one example. Where there is more than one central atom, pick one and underline it.

CENTRAL ATOM(S) ONLY

Molecule / Ion	Lewis Structure (Sketch)	3-D VSEPR Depiction (Sketch)	# of Bonding Groups	# of Lone Pairs	Electron Domain Geometry	Molecular Geometry	Dipole y/n
CH ₄							
CH ₃ Cl							
CH ₂ Cl ₂							
H ₂ O							
BF ₃							
H ₂ O ₂							
C ₂ H ₄							

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CENTRAL ATOM(S) ONLY

Molecule / Ion	Lewis Structure (Sketch)	3-D VSEPR Depiction (Sketch)	# of Bonding Groups	# of Lone Pairs	Electron Domain Geometry	Molecular Geometry	Dipole y/n
C_2H_2							
NH_3							
NH_4^+							
$C_2H_2Br_2$							
HCN							
CO_3^{2-}							
CO_2							

