

Electron Dot Diagrams and Structural Formulas

Name _____

Period _____

Mr. Manly

Complete the Table:

Molecule	Electron Dot Diagram	Structural Formula	# Single Bonds	# Double Bonds	# Triple Bonds	# Shared e ⁻ Pairs	# Unshared e ⁻ Pairs
H ₂							
ICI							
H ₂ O ₂							
NH ₃							
HCN							
PF ₃							
CO ₂							

Another Covalent Bond and More Molecular Compound Possibilities:

Molecule	Element Electron Dot Diagram	Molecular Compound Dot Diagram	Structural Formula	Bonding Types
CO				
SO₃⁻²				
NH₄⁺¹				
O₃				
CO₃⁻²				