

**Exercise: Molecular Compounds**

	Molecular Substance	For Each Central Atom			Name to Represent Predicted Shape	Dot Diagram	Structural Diagram	Bond Angles
		BP	LP	BS				
1.	$\text{NI}_3$							
2.	$\text{C}_2\text{Cl}_4$							
3.	$\text{CF}_4$							
4.	$\text{OCl}_2$							
5.	$\text{C}_2\text{F}_2$							
6.	$\text{HOF}$							
7.	$\text{NHF}_2$							
8.	$\text{C}_2\text{I}_2\text{Br}$							
9.	$\text{C}_2\text{HF}_3$							
10.	$\text{CHClBr}_2$							

	Molecular Substance	For Each Central Atom			Name to Represent Predicted Shape	Dot Diagram	Structural Diagram	Bond Angles
		BP	LP	BS				
11.	$\text{BCl}_3$							
12.	$\text{CO}_2$							
13.	$\text{N}_2\text{H}_3\text{F}$							
14.	$\text{HCP}$							
15.	$\text{C}_3\text{H}_6$							
16.	$\text{GaCl}_3$							

BP – # of Bonded Pairs

LP – # of Lone Pairs

BS – # of Bonded Sides