

Name _____ date _____

Molecular Model Lab

Using the molecular model kit make each of the following molecules. Draw the Lewis Structures on the chart below. After you have drawn all the structures, use the flow-chart to determine the shape of the compound.

<u>Name</u>	<u>Formula</u>	<u>Lewis Structure</u>	<u>Shape</u>
Chlorine gas	Cl ₂		
Boron trichloride			
Methane (carbon tetrahydride)			
Ethylene	C ₂ H ₄		
Ammonia (nitrogen trihydride)			
Hydrogen sulfide			
Sulfur trioxide			
Water			

Acetylene	C_2H_2		
Carbon tetrachloride			
Hydrogen cyanide			
Phosphorous trichloride			
Formaldehyde	H_2CO		
Nitrogen gas	N_2		