



# Chemistry

Name: \_\_\_\_\_

Section \_\_\_\_\_

MOLECULAR GEOMETRY

Date: \_\_\_\_\_

## Molecular Geometry Lab

## Lab #15

The purpose of this lab exercise is to demonstrate your ability to 1) draw Lewis structures, 2) draw three dimensional perspectives of each molecule, 3) identify molecular shape and choose the correct model parts then make a three-dimensional molecular model, and 4) correctly name each molecule.

Do an entire column in the table below and obtain the instructor's approval before moving on to the next column. (Hint: use pencil or do a rough draft on scrap paper.)

Formula	LED Structure	3D Drawing	Shape	Name
Cl <sub>2</sub>				
O <sub>2</sub>				
N <sub>2</sub>				
CO <sub>2</sub>				

Do an entire column in the table below and obtain the instructor's approval before moving on to the next column. (Hint: use pencil or do a rough draft on scrap paper.)

<b>Formula</b>	<b>LED Structure</b>	<b>3D Drawing</b>	<b>Shape</b>	<b>Name</b>
CH <sub>4</sub>				
NH <sub>3</sub>				
H <sub>2</sub> O				
O <sub>3</sub>				
CHBrClF				