Purpose:

Experimental: The purpose of this lab is to expand on molecular modeling by investigating the USEPR theory.

Theoretical: VSEPR theory goes beyond Lewis structures and attempts to create a 3D geometrical modeling method. This lab uses Molview to accomplish this lab.

Practic Problems:

- 1. CC14 C-4e > 32e - 16e pairs : c1 - C - C1: c1-7e 4 : c1:
 - H-10-2 > 80-040 pais
- 2. CCly

 Electron Geometry

 Tetrahedral

 H20

 Electron Ceometry

 Trigonal Planon

 Bent
- 3, CC14 -0 nonpolar DENC-c1= 3.0-2.5 = 0.5 H20 -17 Polar DENH-0 = |2.1-3.5 |= 1.4

Exp. No. Lab 9	Experiment/Subject Molecular Modeling	Date 3/9/2.3	
Name Chastop	1 Lab Parkers	Locker/	Course & Section No.

Procedure:

- 1. Recreate Results Table 1
- 2. Draw the Lewis Structure for each Chemical
- 3. Use VSEPR to predict electron geometry, and molecular geometry of the central atom in each Lewis Structure.
- 4. Construct each molecule using MolView.