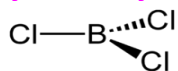


VSEPR Theory Activity – put in lab notebook (add to the Reaction Energies)



Animations: http://www.mhhe.com/physsci/chemistry/animations/chang_7e_esp/bom3s2_7.swf

Main Site: <http://www.chem.purdue.edu/gchelp/vsepr/>

DATA: Make the model, if possible with your model building kits

Colors of the Atoms	3-D codes	
Hydrogen – yellow	-----	below or back of plane
Carbon – black	_____	same plane
Oxygen (group 6) – red		above plane
Nitrogen – blue		double or triple bonds
Chlorine – green		
Iodine or fluorine – purple		
Bromine – orange		

*Organic Molecules don't have VSEPR shape names (multi central atoms) – **NAME the Organic molecule**

Molecular Formula	Structural Formula 2D	# Regions High e-density	# unshared prs. AND # shared prs	Bond Angle	*VSEPR Name of Shape	hybrid	WORK?
	Make this	Table	Much	Bigger	,ok?		
H ₂ O							
SO ₃ (show resonance)							
N ₂							
PCl ₅							
SF ₆							
OF ₂							
AsI ₃							
SF ₄							
BrF ₅							
NI ₃							

*****	*****	*****	*****	*****	*****	*****	*****
C₂H₅Cl							
C₆H₁₄							
C₆H₆							
C₄H₈ (show stereoisomers)							
C₄H₁₀ (show structural isomers)							
C₂H₂							

