ChemThink: Molecular Shapes

V _____

S _____

E _____

P _____

R _____

VSEPR theory tells us that areas of a molecule that have a (Higher/Lower) concentration of _____ will (Repel/Attract) each other and that these _____ will affect the _____ of the molecule.

Areas of e^- concentration	Draw an Example	Bond Angles	Shape	Ex. Lewis Dot (Circle the e^- concentration)
2		180^O	Linear	
3			Trigonal Planar	
3			Bent	

4			Tetrahedral	
4			Trigonal Pyramidal	
4			Bent	(Hint: Water)

When drawing three dimensional shapes:

- _____ shows that the outside atom is in the same plane as the central atom.
- _____ shows that the outside atom is farther from us than the central atom. (Going into the page)
- _____ shows that the outside atom is closer to us than the central atom. (Coming out of the page)