	Name:	Period:	Date:
6.5 Review Assignment/Study Guide			
	Explain VSEPR theory.		
	Predict the shapes of molecules or polyatomic ions using VSEPR theory.		
	Explain what determines molecular polarity.		
	Know the types of intermolecular forces bonding, and London dispersion forces.	, including dipole-dipole, ir	nduced dipole, hydrogen

Review Questions

1. Explain VSEPR theory, including what "VSEPR" stands for, what it explains, and the main basis for it.

2. Draw a Lewis structure for each of the following molecules, and then use the VSEPR theory to predict the molecular geometry and polarity of each.

a. SCl₂ d. NH₂Cl (N is central atom)

b. PI₃ e. SiCl₃Br

c. $(ClO_3)^{-1}$ f. ONCl (N is central atom)

3. Explain what polarity is and why molecules that have lone pairs(s) on the central atom are considered polar. Use a diagram, if needed.

4. Briefly explain (using a diagram, if needed) each type of intermolecular force.