**CHEM131 TBL**

**Unit 6 – Molecular Structure & Covalent Bonding Theories**

**Must Know List**

1. Describe the basic ideas of the valence shell electron pair repulsion (VSEPR) theory.

2. Describe the basic ideas of the Valence bond theory.

3. Use the VSEPR theory to predict the electronic geometry and the molecular geometry of polyatomic molecules and ions.

4. Describe the relationships between molecular shapes and polarities.

5. Predict whether a molecule is polar or nonpolar.