## **AP CHEMISTRY**

## **TOPIC 5: BONDING, PART C**

## **EXAMPLES**

Day 51:

• VSEPR (Valence Shell Electron Pair Repulsion Theory)

First draw the Lewis Structure, then name the shape (with lone pairs) and then indicate the name of the molecular shape (ignoring lone pairs, the shape the atoms form). Be sure to check formal charges as well.

1) AsO<sub>3</sub> -1

2) ClO<sub>2</sub><sup>-1</sup>

3) IBr<sub>3</sub>

4) RnO<sub>4</sub><sup>-2</sup>

5) SiO<sub>2</sub>