

Chemistry 110 – VSEPR & Molecular Models Name: \_\_\_\_\_

Formula	Compound Name	Number of Electrons	Electron Dot Structure <sup>1</sup>	Molecular Geometry	Model Made?	Polar? (Y/N)
<u>C</u> H <sub>4</sub>						
H <u>C</u> N						
H <u>2</u> O						
<u>N</u> O <sub>2</sub> <sup>-</sup>						
<u>C</u> O <sub>2</sub>						
<u>C</u> H <sub>2</sub> O						
<u>S</u> O <sub>3</sub> <sup>2-</sup>						

<sup>1</sup>Draw Electron Dot Structures on the back of this sheet, and then transfer to this side, if necessary. Underlined atom is center atom of the structure.

Formula	Compound Name	Number of Electrons	Electron Dot Structure <sup>1</sup>	Molecular Geometry	Model Made?	Polar? (Y/N)
<u>N</u> H <sub>4</sub> <sup>+</sup>						
<u>Br</u> F <sub>3</sub>						
<u>P</u> F <sub>5</sub>						
<u>P</u> F <sub>6</sub> <sup>-</sup>						
<u>I</u> Cl <sub>5</sub>						
<u>S</u> O <sub>4</sub> <sup>2-</sup>						
<u>N</u> O <sub>2</sub>						

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