

Let's Build It HW

Read and outline (Cornell style) **Section 9.4** in your chemistry textbook. Then answer the following assessment questions:

1. What is the VSEPR model?
2. What are the bond angles in a molecule with a tetrahedral shape? A bent shape?
3. Fill in the chart below:

<u>Molecule</u>	<u>Lewis Dot Structure</u> (use Octet Rule to check yourself)	<u>Structural Formula</u>	<u># e- domains</u> (around central atom(s))	<u># Bonded pairs</u>	<u># Lone pairs</u>	<u>Molecular Shape</u>	<u>Is the shape Symmetrical?</u> (are all bond angles equal?)
NH ₃							
SiH ₃ PH ₂							
SiH ₄							
H ₂ Se							
HSiP							
H ₂ P ₂							
SiH ₂ O							
HBr							
H ₂ O ₂							
SiO ₂							