

Name: _____
Period: _____

Purpose: To practice drawing Lewis structures and assigning VSEPR shapes of molecules.

Procedure:

- (1) Draw the Lewis structure for each molecule.
- (2) Determine the VSEPR shape for each molecule.
- (3) Using the materials provided, create a VSEPR model for each of the molecules.

Molecule	Lewis Structure	# atoms bonded to central atom	# lone pairs on central atom	VSEPR Diagram (Classify Shape)
CCl_4				
BH_3				
NI_3				
SH_6				
SeCl_2				
PI_5				
SiS_2				

Questions: (complete on the paper provided)

- (1) Draw the three dimensional representation of the model for each molecule. Colour the diagrams and create a legend.
- (2) Classify the shape of each molecule.

Conclusion:

What does VSEPR stand for?