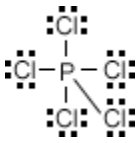


Sample Data Table for Molecular Geometries Determination Lab

Molecule	Lewis Dot Structure	Predicted VSEPR geometry	Calculated Point Group Symmetry	VSEPR shape from chart
PCl ₅		Trigonal bipyramidal (AX5)	D _{3h}	Trigonal bipyramidal
BeF ₂				
BF ₃				
GeCl ₂				
CH ₄				
H ₂ O				
NH ₃				
SF ₄				
ClF ₅				