

Molecular Shapes and Electron Pair Geometries

Use the Lecture Notes from Class to complete the following Chart

Total Electron Domains	Electron Domain Geometry	Bonding Domains	Non-Bonding Domains	Molecular geometry	Examples	Predicted Bond Angles
2 pairs sp hybridization						
3 pairs sp ² hybridization						

Total Electron Domains	Electron Domain Geometry	Bonding Domains	Non-Bonding Domains	Molecular geometry	Examples	Predicted Bond Angles
4 pairs sp ³ hybridization						

Total Electron Domains	Electron Domain Geometry	Bonding Domains	Non- Bonding Domains	Molecular geometry	Examples	Predicted Bond Angles
5 pairs dsp ³ hybridization						

Total Electron Domains	Electron Domain Geometry	Bonding Domains	Non-Bonding Domains	Molecular geometry	Examples	Predicted Bond Angles
6 pairs d^2sp^3 hybridization						

