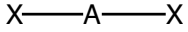
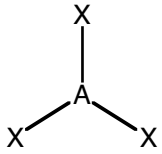
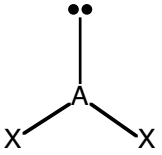
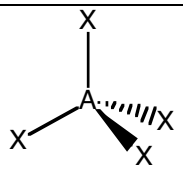
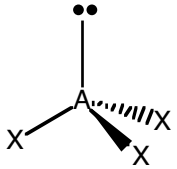
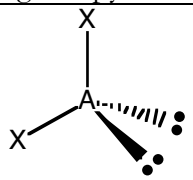
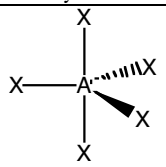
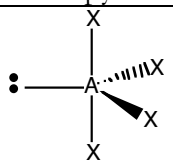
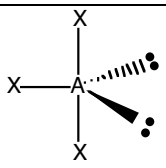
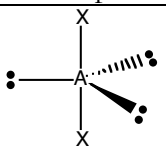
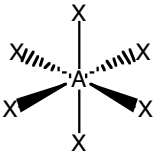
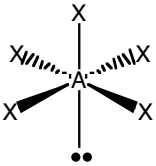
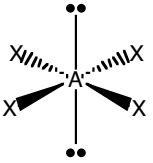
Geometries for Inorganic Compounds

Electron Domains	Bonding Domains	Lone-Pair Domains	Hybrid Orbitals	Geometry and Name
2	2	0	sp	 linear
3	3	0	sp2	 trigonal planar
3	2	1	sp2	 bent or V-shaped
4	4	0	sp3	 tetrahedral
4	3	1	sp3	 trigonal pyramidal
4	2	2	sp3	 bent or V-shaped

Electron Domains	Bonding Domains	Lone-Pair Domains	Hybrid Orbitals	Geometry and Name
5	5	0	dsp3	 trigonal bipyramidal
5	4	1	dsp3	 see-saw
5	3	2	dsp3	 T-shaped
5	2	3	dsp3	 linear

Electron Domains	Bonding Domains	Lone-Pair Domains	Hybrid Orbitals	Geometry and Name
6	6	0	d2sp3	 octahedral
6	5	1	d2sp3	 square pyramidal
6	4	2	d2sp3	 square planar