
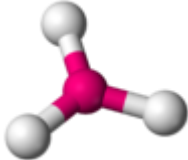
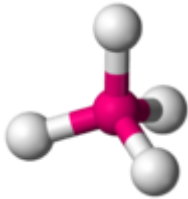
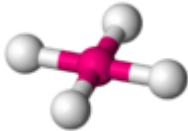
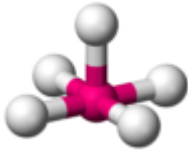
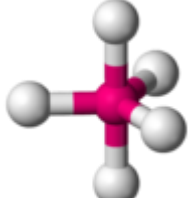
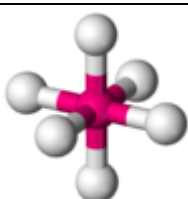


Coordination Geometries

Geometries for complete coordination numbers

C.N.	Description	Bond angles \widehat{LML}	
2	Linear	180°	
3	Trigonal planar	120°	
4	Tetrahedron	109.5°	
4	Square Plane	$90^\circ; 180^\circ$	
5	Square pyramid	$90^\circ; 180^\circ (\widehat{L_{base}ML_{base}})$ $90^\circ (\widehat{L_{base}ML_{ax}})$	
5	Trigonal bipyramid	$90^\circ (\widehat{L_{eq}ML_{ax}})$ $120^\circ (\widehat{L_{eq}ML_{eq}})$ $180^\circ (\widehat{L_{ax}ML_{ax}})$	
6	Octahedron	$90^\circ (\widehat{L_{eq}ML_{ax}})$ $90^\circ (\widehat{L_{eq}ML_{eq}})$ $180^\circ (\widehat{L_{ax}ML_{ax}})$	
6	Trigonal Prism	$\arccos\left(\frac{1}{7}\right)$ $\arccos\left(-\frac{5}{7}\right)$	