

Predicting Polar vs. Non-Polar

Electron Domains	Bonding Domains	Lone-Pair Domains	Geometry	Compound	Polar or Non-Polar
2	2	0	linear	AX_2	
				AXY	
3	3	0	trig. planar	AX_3	
				AX_2Y	
3	2	1	bent	AX_2	
				AXY	
4	4	0	tetrahedral	AX_4	
				AX_3Y	
				AX_2Y_2	
4	3	1	trig. pyrm.	AX_3	
				AX_2Y	
4	2	2	bent	AX_2	
				AXY	
5	5	0	trig. bipyrm.	AX_5	
				AX_4Y	
				AX_3Y_2	
5	4	1	<i>see-saw</i>	AX_4	
				AX_3Y	
				AX_2Y_2	
5	3	2	T-shaped	AX_3	
				AX_2Y	
5	2	3	linear	AX_2	
				AXY	
6	6	0	octahedral	AX_6	
				AX_5Y	
				AX_4Y_2	
				AX_3Y_3	
6	5	1	sq. pyrm.	AX_5	
				AX_4Y	
				AX_3Y_2	
6	4	2	sq. planar	AX_4	
				AX_3Y	
				AX_2Y_2	