
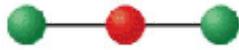
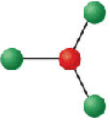
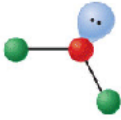
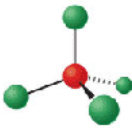
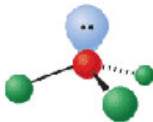
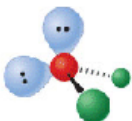
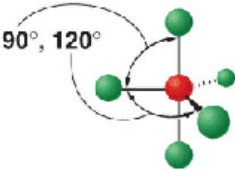
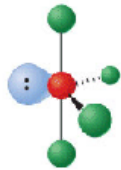
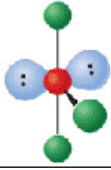
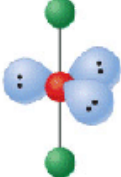
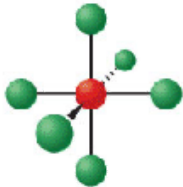
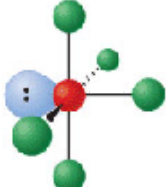
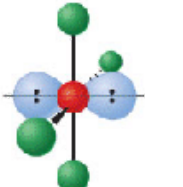
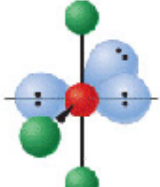
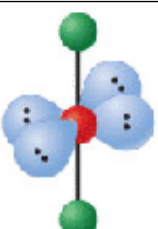


Groups Around Atom	Notation	Shape	VSEPR	Bond Angle(s)	Example	Polarity
1	AX	Linear		180	H <sub>2</sub>	Non-polar
2	AX <sub>2</sub>	Linear		180°	BeF <sub>2</sub>	Non-polar
3	AX <sub>3</sub>	Trigonal Planar		120°	BF <sub>3</sub>	Non-polar
3	AX <sub>2</sub> E	Bent/Angular		(<120°)	SnCl <sub>2</sub>	Polar if EN >0.4
4	AX <sub>4</sub>	Tetrahedral		109°	CF <sub>4</sub>	Non-polar
4	AX <sub>3</sub> E	Trigonal Pyramidal		<109°	PCl <sub>3</sub>	Polar if EN >0.4
4	AX <sub>2</sub> E <sub>2</sub>	Bent/Angular		<<109°	H <sub>2</sub> S	Polar if EN >0.4
5	AX <sub>5</sub>	Trigonal bipyramidal		90° 120°	SbCl <sub>5</sub>	Non-polar
5	AX <sub>4</sub> E	Seesaw/Sawhorse		<90° <120°	TeCl <sub>4</sub>	Polar if EN >0.4
5	AX <sub>3</sub> E <sub>2</sub>	T-shape		<90°	BrF <sub>3</sub>	Polar if EN >0.4
5	AX <sub>2</sub> E <sub>3</sub>	Linear		180°	XeF <sub>2</sub>	Non-polar

6	$AX_6$	Octahedral		$90^\circ$	$SF_6$	Non-polar
6	$AX_5E$	Square Pyramidal		$90^\circ$ $<90^\circ$	$BrF_5$	Polar if EN $>0.4$
6	$AX_4E_2$	Square Planar		$90^\circ$	$XeF_4$	Non-polar
6	$AX_3E_3$	T-shape		$<90^\circ$		Polar if EN $>0.4$
6	$AX_2E_4$	Linear		$180^\circ$		Non-polar