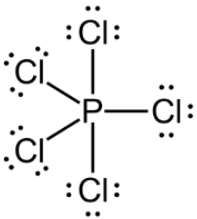
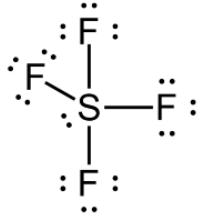
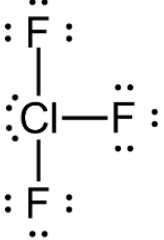
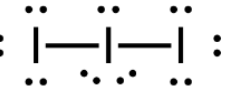


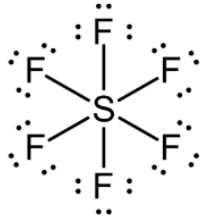
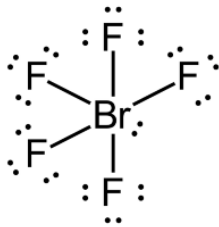
Molecular geometry for molecules with five and six electron domains

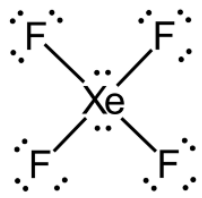
Five electron domains

Number of electron domains	Number of bonding domains	Number of lone pairs	Molecular geometry	Example	Bond angle
5	5	0	Trigonal bipyramidal	PCl_5 	90° 120°
5	4	1	See-saw	SF_4 	90° <120°

Number of electron domains	Number of bonding domains	Number of lone pairs	Molecular geometry	Example	Bond angle
5	3	2	T-shaped	ClF_3 	<90° <180°
5	2	3	Linear	I_3^- 	180°

Six electron domains

Number of electron domains	Number of bonding domains	Number of lone pairs	Molecular geometry	Example	Bond angle
6	6	0	Octahedral	SF_6 	90°
6	5	1	Square pyramidal	BrF_5 	$<90^\circ$

Number of electron domains	Number of bonding domains	Number of lone pairs	Molecular geometry	Example	Bond angle
6	4	2	Square planar	XeF_4 	90°