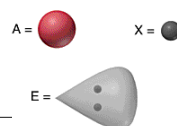
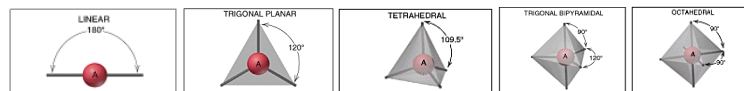
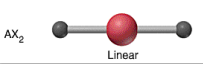
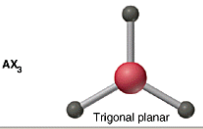
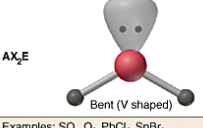
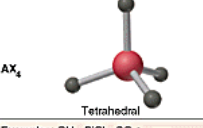
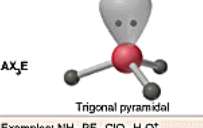
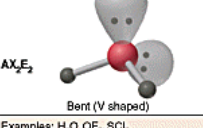
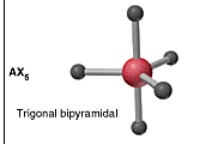
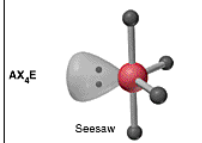
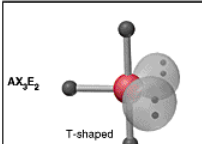
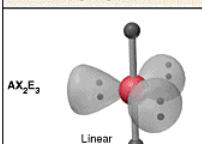
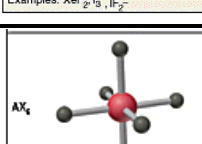
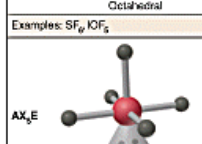
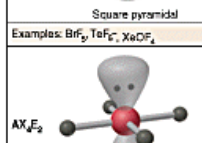


# Méthode VSEPR



Nb de liaisons (X)	Nb de paires non liantes (E)	Arrangement	Géométrie de la molécule	Angle	Dénomination
2	0	$AX_2$	 <p>Linear</p> <p>Examples: <math>CS_2</math>, <math>HCN</math>, <math>BeF_2</math></p>	$\alpha = 180^\circ$	Linéaire
3	0	$AX_3$	 <p>Trigonal planar</p> <p>Examples: <math>SO_3</math>, <math>BF_3</math>, <math>NO_3^-</math>, <math>CO_3^{2-}</math></p>	$\alpha = 120^\circ$	Triangulaire
2	1	$AX_2E_1$	 <p>Bent (V shaped)</p> <p>Examples: <math>SO_2</math>, <math>O_3</math>, <math>PbCl_2</math>, <math>SnBr_2</math></p>	$\alpha < 120^\circ$	Coudée ou Forme en V
4	0	$AX_4$	 <p>Tetrahedral</p> <p>Examples: <math>CH_4</math>, <math>SiCl_4</math>, <math>SO_4^{2-}</math>, <math>ClO_4^-</math></p>	$\alpha = 109,5^\circ$	Tétraédrique
3	1	$AX_3E_1$	 <p>Trigonal pyramidal</p> <p>Examples: <math>NH_3</math>, <math>PF_3</math>, <math>ClO_3^-</math>, <math>H_3O^+</math></p>	$\alpha < 109,5^\circ$	Pyramide trigonale
2	2	$AX_2E_2$	 <p>Bent (V shaped)</p> <p>Examples: <math>H_2O</math>, <math>OF_2</math>, <math>SCl_2</math></p>	$\alpha < 109,5^\circ$	Coudée ou Forme en V

5	0	$AX_5$	 <p>Trigonal bipyramidal</p> <p>Examples: <math>PF_5</math>, <math>AsF_5</math>, <math>SOF_4</math></p>	$\alpha = 120^\circ$ $\beta = 90^\circ$	Bipyramide trigonale
4	1	$AX_4E_1$	 <p>Seesaw</p> <p>Examples: <math>SF_4</math>, <math>XeO_3F_2</math>, <math>IF_4^+</math>, <math>IO_3F_2^-</math></p>	$\alpha < 120^\circ$ $\beta < 90^\circ$	Croix-V
3	2	$AX_3E_2$	 <p>T-shaped</p> <p>Examples: <math>ClF_3</math>, <math>BrF_3</math></p>	$\alpha < 90^\circ$	Forme en T
2	3	$AX_2E_3$	 <p>Linear</p> <p>Examples: <math>XeF_2</math>, <math>I_3^-</math>, <math>IF_2^-</math></p>	$\alpha = 180^\circ$	Linéaire
6	0	$AX_6$	 <p>Octahedral</p> <p>Examples: <math>SF_6</math>, <math>IOF_5</math></p>	$\alpha = 90^\circ$ $\beta = 90^\circ$	Octaèdre
5	1	$AX_5E_1$	 <p>Square pyramidal</p> <p>Examples: <math>BrF_5</math>, <math>TaF_5</math>, <math>XeOF_4</math></p>	$\alpha < 90^\circ$ $\beta < 90^\circ$	Pyramide carrée
4	2	$AX_4E_2$	 <p>Square planar</p> <p>Examples: <math>XeF_4</math>, <math>IO_4^-</math></p>	$\alpha = 90^\circ$	Plan carré