Chemical Bonding

Shape of Molecules

Number of bond pairs	Number of lone pairs	Shape	Bond angle	Example
2	0		180	$BeCl_2$
3	0		120	$AlCl_3$
4	0		109.5	CH_4
5	0		90/120	PCl_5
6	0		90	SF_6
3	1		107	NH_3
2	2		104.5	H_2O

Note:

Compound	Displayed formula	Shape	Bond angle
CO_2			
C_2H_4			