

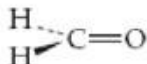



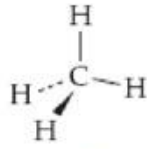

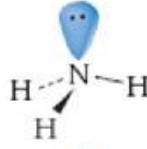



TABLE 4.2 Molecular Geometry Around Atoms with 2, 3, and 4 Charge Clouds

NUMBER OF BONDS	NUMBER OF LONE PAIRS	TOTAL NUMBER OF CHARGE CLOUDS	MOLECULAR GEOMETRY	EXAMPLE		
2	0	2	 Linear	$\text{O}=\text{C}=\text{O}$		
$\left[\begin{array}{c} 3 \\ 2 \end{array} \right]$	0	3	 Trigonal planar			
	1				 Bent	
$\left[\begin{array}{c} 4 \\ 3 \\ 2 \end{array} \right]$	0	4	 Tetrahedral			
	1				 Pyramidal	
	2				 Bent	