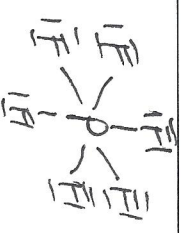


Molecule or Ion	Valence Electrons	Lewis Structure	Modified Lewis Structure (reflecting actual structure)	Electron domain geometry	Molecular geometry	Bond Angles
PF_3	$5 + 3 \cdot 7$ <u>26</u>			tetrahedral	trigonal pyramidal	$< 109.5^\circ$
CH_3^+	$4 + 3(1)$ <u>7</u> 6			trigonal planar	trigonal planar	120°
BrF_3				trigonal bipyramidal		90°
ClO_4^-	32				tetrahedral	109.5°
XeF_2				trigonal bipyramidal		
BrO_2^-					bent	
HCN	10					

Print this table and fill it in with the following molecules PF_3 , CH_3^+ , BrF_3 , ClO_4^- , XeF_2 , BrO_2^- , HCN , SO_3^{2-} , SF_4 , PF_6^- , NH_3Cl^+ , N_3^- .

Molecule or Ion	Valence Electrons	Lewis Structure	Modified Lewis Structure (reflecting actual structure)	Electron domain geometry	Molecular geometry	Bond Angles
SO_3^{2-}						
PF_6^-	48					
NH_3Cl^+						
N_3^-						
SF_4				<p>trigonal bipyramidal</p>		

Print this table and fill it in with the following molecules PF_3 , CH_3^+ , BrF_3 , ClO_4^- , XeF_2 , BrO_2^- , HCN , SO_3^{2-} , SF_4 , PF_6^- , NH_3Cl^+ , N_3^- .