

Results Table 1

Formula	Lewis Structure	EG	M.G	
CH <sub>3</sub> F	<pre>       :F:         H - C - H               H           </pre>	Tetrahedral	Tetrahedral	
BF <sub>3</sub>	<pre>       :F:   :F:               :F - B - F:               :F:           </pre>	Trigonal Planar	Trigonal Planar	
BI <sub>3</sub>	<pre>       :I:   :I:               :I - B - I:               :I:           </pre>	Trigonal Planar	Trigonal Planar	
OF <sub>2</sub>	<pre>       :F:   :F:               :F - O - F:                     :     :           </pre>	Trigonal Planar	Bent	
XeF <sub>2</sub>	<pre>       :F:   :F:               :F - Xe - F:                     :     :           </pre>	Linear	Linear	
BrF <sub>5</sub>	<pre>       :F:   :F:               :F - Br - F:               :F         :F:           </pre>	Trigonal Bipyramidal	Trigonal Bipyramidal	
PF <sub>5</sub>	<pre>       :F:   :F:               :F - P - F:               :F         :F:           </pre>	Trigonal Bipyramidal	Trigonal Bipyramidal	
SeF <sub>6</sub>	<pre>       :F:   :F:               :F - Se - F:               :F         :F:           </pre>	Octahedral	Octahedral	
BF <sub>4</sub> <sup>-</sup>	<pre>       :F:   :F:               [F - B - F:]<sup>-</sup>                     :F:   :F:           </pre>	$\frac{\text{FC}}{\text{B}} = 3 - 4 = -1$	Tetrahedral	Bent



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Formula	Lewis structure	EG	MG
HCN	$\text{H} - \text{C} \equiv \text{N}:$	Linear	Linear
$\text{XeO}_3$	$  \begin{array}{c}  \ddot{\text{O}} = \ddot{\text{Xe}} = \ddot{\text{O}} \\     \\  :\text{O}:  \end{array}  $	Trigonal planar	Bent
$\text{C}_2\text{H}_3\text{O}_2^-$	$  \left[ \begin{array}{c} \text{H} \\   \\ \text{H} - \text{C} - \text{C} - \text{O}^- \\   \quad    \quad   \\ \text{H} \quad \text{O} \quad \cdot\cdot \end{array} \right]^-  $	Octahedral	Octahedral