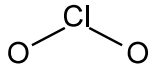
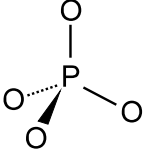
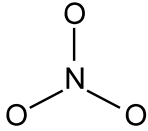
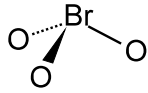
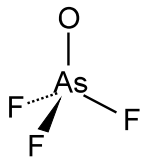


PRACTICE: LEWIS STRUCTURES AND MOLECULAR GEOMETRY

ANSWERS

	LEWIS STRUCTURE	SHAPE DIAGRAM	NAME OF SHAPE
(a)	$\text{H}-\text{Be}-\text{H}$	$\text{H}-\text{Be}-\text{H}$	linear
(b)	$\begin{array}{c} \text{:}\ddot{\text{Cl}}-\ddot{\text{N}}-\ddot{\text{Cl}}\text{:} \\   \\ \text{:}\ddot{\text{Cl}}\text{:} \end{array}$		trigonal pyramidal
(c)	$\begin{array}{c} \text{H} \\   \\ \text{H}-\text{C}-\text{H} \\   \\ \text{H} \end{array}$		tetrahedral
(d)	$\text{:}\ddot{\text{O}}=\ddot{\text{S}}=\ddot{\text{O}}\text{:}$		bent
(e)	$\begin{array}{c} \text{H}-\text{B}-\text{H} \\   \\ \text{H} \end{array}$		trigonal planar
(f)	$\begin{array}{c} \text{:}\ddot{\text{F}}\text{:} \\   \\ \text{:}\ddot{\text{F}}-\ddot{\text{S}}-\ddot{\text{F}}\text{:} \\   \\ \text{:}\ddot{\text{F}}\text{:} \end{array}$		seesaw

(g)			trigonal bipyramidal
(h)			T-shaped
(i)			octahedral
(j)			linear
(k)			bent
(l)			square planar
(m)			square pyramidal

(n)	$:\ddot{\text{O}}=\ddot{\text{Cl}}=\ddot{\text{O}}:$		bent
(o)	$\begin{array}{c} :\ddot{\text{O}} \\    \\ \ominus \ddot{\text{O}} - \text{P} - \ddot{\text{O}} \ominus \\   \\ :\ddot{\text{O}} \ominus \end{array}$		tetrahedral
(p)	$\begin{array}{c} :\ddot{\text{O}} \oplus \\    \\ \text{N} - \ddot{\text{O}} \ominus \\   \\ :\ddot{\text{O}} \ominus \end{array}$		trigonal planar
(q)	$\begin{array}{c} :\ddot{\text{O}} \\    \\ \text{Br} = \ddot{\text{O}} \\   \\ :\ddot{\text{O}} \ominus \end{array}$		trigonal pyramidal
(r)	$\begin{array}{c} :\ddot{\text{O}} \\    \\ :\ddot{\text{F}} - \text{As} - \ddot{\text{F}} \\   \\ :\ddot{\text{F}} \end{array}$		tetrahedral