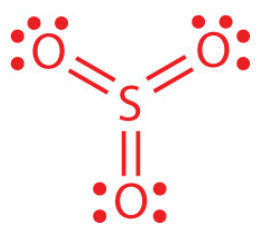
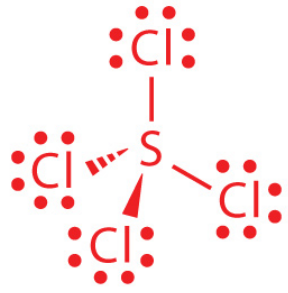


Name : _____ Date : _____

Lewis Structure and Molecular Geometry

Answers

Molecular Formula	Lewis Structure	Molecular Structure	Molecular Geometry
H_2O	$\text{H}-\ddot{\text{O}}-\text{H}$		Angular or Bent
SO_3	$\begin{array}{c} \ddot{\text{O}}=\text{S}=\ddot{\text{O}} \\ \\ \ddot{\text{O}} \end{array}$		Trigonal pyramidal
HCN	$\text{H}-\text{C}\equiv\text{N}:$	$\text{H}-\text{C}\equiv\text{N}:$	Linear
SiCl_4	$\begin{array}{c} :\text{Cl}: \\ \\ :\text{Cl}-\text{Si}-\text{Cl}: \\ \\ :\text{Cl}: \end{array}$		Tetrahedral
CO_3^{2-}	$\left[\begin{array}{c} :\ddot{\text{O}}-\text{C}-\ddot{\text{O}}: \\ \\ :\ddot{\text{O}}: \end{array} \right]^{2-}$	$\left[\begin{array}{c} :\ddot{\text{O}}-\text{C}-\ddot{\text{O}}: \\ \\ :\ddot{\text{O}}: \end{array} \right]^{2-}$	Trigonal planar