

Name : _____ Date : _____

Practicing Lewis Dot Structure

1. Draw the electron dot structure for the following elements.

Calcium	Oxygen	Sulfur
Lithium	Boron	Fluorine
Xenon	Sodium	Magnesium

2. Draw the Lewis structure for the following molecules.

Cl_2	SO_2	NH_3
H_3O^+	C_2H_6	CH_2Cl_2

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Answers

Calcium $\text{Ca}:$	Oxygen $:\ddot{\text{O}}:$	Sulfur $:\ddot{\text{S}}:$
Lithium $\text{Li}\cdot$	Boron $\cdot\ddot{\text{B}}\cdot$	Fluorine $:\ddot{\text{F}}\cdot$
Xenon $:\ddot{\text{Xe}}:$	Sodium $\text{Na}\cdot$	Magnesium $\cdot\text{Mg}\cdot$

Cl_2 $:\ddot{\text{Cl}}-\ddot{\text{Cl}}:$	SO_2 $\ddot{\text{O}}=\ddot{\text{S}}=\ddot{\text{O}}$	NH_3 $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{N}-\text{H} \\ \\ \text{H} \end{array}$
H_3O^+ $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{O}^+-\text{H} \\ \\ \text{H} \end{array}$	C_2H_6 $\begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{H}-\text{C}-\text{C}-\text{H} \\ \quad \\ \text{H} \quad \text{H} \end{array}$	CH_2Cl_2 $\begin{array}{c} \text{H} \\ \\ \cdot\ddot{\text{Cl}}-\text{C}-\ddot{\text{Cl}}\cdot \\ \\ \text{H} \end{array}$