

# Lewis Structure Worksheet #1

Read the **Instructions for Drawing Lewis Structures** worksheet carefully and complete Lewis structures for each of the following molecules:

## *Group A: Simple Molecules*

CH <sub>4</sub>	NH <sub>3</sub>	H <sub>2</sub> O	SiF <sub>4</sub>	NCl <sub>3</sub>
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## *Group B: Polyatomic Ions*

PO <sub>4</sub> <sup>3-</sup>	ClO <sub>3</sub> <sup>-</sup>	ClO <sub>4</sub> <sup>-</sup>	SO <sub>3</sub> <sup>2-</sup>
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## *Group C: Multiple Bonds*

H <sub>2</sub> CO	HCN	CO	CO <sub>2</sub>
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**Group D: Incomplete Octets**

$\text{BCl}_3$	$\text{BeF}_2$
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**Group E: Expanded Octets**

$\text{SF}_6$	$\text{PCl}_5$	$\text{BrF}_5$	$\text{XeF}_4$	$\text{ClF}_3$
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**Group F: Multiple Central Atoms**

$\text{C}_2\text{H}_6$	$\text{C}_3\text{H}_8$	$\text{C}_2\text{H}_5\text{OH}$	$\text{C}_2\text{H}_4$	$\text{C}_2\text{F}_2$
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