

Name : _____ Date : _____

Lewis Diagram Worksheet

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

Aluminum	Neon	Phosphorus
Beryllium	Chlorine	Silicon
Nitrogen	Helium	Carbon

2. Draw the Lewis structure for the following molecules.

O_2	CH_4	HCN
CH_2O	O_3	PCl_3

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Answers

Aluminum $\cdot\text{Al}\cdot$	Neon $:\text{Ne}:$	Phosphorus $:\text{P}\cdot$
Beryllium $\text{Be}:$	Chlorine $:\text{Cl}:$	Silicon $\cdot\text{Si}\cdot$
Nitrogen $:\text{N}\cdot$	Helium $:\text{He}:$	Carbon $\cdot\text{C}\cdot$

O_2 $\text{O}=\text{O}$	CH_4 $\begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{H} \\ \\ \text{H} \end{array}$	HCN $\text{H}-\text{C}\equiv\text{N}:$
CH_2O $\begin{array}{c} :\text{O}: \\ \\ \text{H}-\text{C}-\text{H} \end{array}$	O_3 $\text{O}=\text{O}^+-\text{O}^-$	PCl_3 $\begin{array}{c} \cdot\text{Cl}\cdot-\text{P}\cdot-\cdot\text{Cl}\cdot \\ \\ \cdot\text{Cl}\cdot \end{array}$