



# Lewis Dot Diagram Worksheet

-Key

Use the Bohr models to determine the number of valence electrons. Once you have found the number of valence electrons, place them around the elements symbol.

Element	Atomic #	Atomic Mass	Protons	Neutrons	Electrons	Lewis Dot
Carbon	6	12	6	6	6	
Hydrogen	1	1	1	0	1	H•
Lithium	3	7	3	4	3	Li•
Magnesium	12	24	12	12	12	Mg:
Boron	5	11	5	6	5	

Element	Atomic #	Atomic Mass	Protons	Neutrons	Electrons	Lewis Dot
Helium	2	4	2	2	2	$\begin{array}{c} \cdot\cdot \\ \text{He} \end{array}$
Oxygen	8	16	8	8	8	$\begin{array}{c} \cdot\cdot \\ \cdot\text{O}\cdot \\ \cdot\cdot \end{array}$
Fluorine	9	19	9	10	9	$\begin{array}{c} \cdot\cdot \\ :\text{F}: \\ \cdot \end{array}$
Nitrogen	7	14	7	7	7	$\begin{array}{c} \cdot\cdot \\ \cdot\text{N}\cdot \\ \cdot \end{array}$
Silicon	14	28	14	14	14	$\begin{array}{c} \cdot \\ \cdot\text{Si}\cdot \\ \cdot \end{array}$