Practice with Lewis Dot Diagrams

Name: _____

Period: _____

Bohr Diagrams are important, but **Lewis dot diagrams** are better to use when predicting reactions.

Lewis dot diagrams (also called electron dot diagrams) are very simple to draw and include only the atomic symbol and the number of valence electrons placed around the symbol. Remember, valence electrons are the same number as the group number-example: all of the elements in group 1 have one valence electron; all of the elements in group 17 have 7 valence electrons (for the teens, you just cover the one)

In each of the spaces below, write the symbol and draw the valence electrons around it. Remember to pair them up properly (single, then double).

Examples: $\overset{\bullet}{\mathrm{H}}$ $\overset{\bullet}{\mathrm{He}}\bullet$

Lithium	Beryllium	Boron	Carbon
Nitrogen	Oxygen	Fluorine	Neon
Sodium	Magnesium	Aluminum	Silicon
Phosphorus	Sulfur	Chlorine	Argon