**Valence electrons &**

**Lewis Dot Diagrams**

**Valence electrons: are electrons that are the furthest from the nucleus and are also transferred or shared during chemical reactions.**

**There is a pattern across the periodic table that the valence electrons follow:**

**1 2 3 4 5 6 7 8**

**Lewis Dot Diagrams: are symbols that show the valence electrons of an atom. They are made of the symbol of the atom and dots that represent each valence electron.**

**Example: Oxygen**

**Has 6 valence electrons.**

 **O O**

**\*\*Since electrons are all negative, they don’t pair up until they have to.**

**Draw the following L. Dot diagrams:**

**1.)Lithium**

**2.) Selenium**

**3.) Lead**

**4.) Rubidium**