

# Chemical Bonds – Ionic Bonds

## 1. Identify the *Number of Valence Electrons* and *Draw the Lewis Dot Structure*

Notes: Scientists use *Lewis Dot Structures* to show the valence electrons of an element as dots.

Since bonding involves the valence shell electrons only, it is only necessary to illustrate those outer electrons.

Element	Group Number (PT)	Number of Electrons	Electron configuration	# of Valence Electrons	Lewis Dot Structure
Calcium Ca					
Carbon C					
Hydrogen H					
Helium He					
Oxygen O					
Fluorine F					
Neon Ne					
Sodium Na					
Aluminum Al					