Valence Electrons & Electron Dot Structure Practice – Accel. Name: _____Pd: _____

1. Define the following vocabulary words:
   a. Valence electrons:

   b. Electron dot structure:

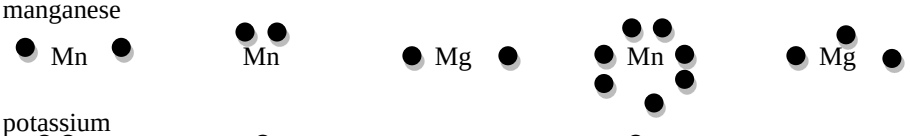
2. Determine the number of valence electrons for the following elements:

a. strontium	_____	f. Xenon	_____	k. Einsteinium	_____
b. gallium	_____	g. Fluorine	_____	l. Iodine	_____
c. Sb	_____	h. C	_____	m. Se	_____
d. cerium	_____	i. Li	_____	n. Hg	_____
e. Ni	_____	j. Bohrium	_____		

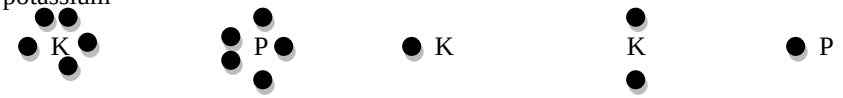
3. Draw the electron dot structures for the following elements:

a. Sodium	_____	d. Radon	_____	g. Arsenic	_____
b. Phosphorus	_____	e. Francium	_____	h. Calcium	_____
c. Bromine	_____	f. Tin	_____	i. Titanium	_____

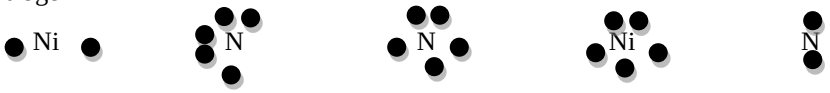
4. Circle the correct electron dot structures for the following elements.
   a. manganese



   b. potassium



   c. nitrogen



5. Determine the group the following elements are in:
   a. Li
   b. Cu
   c. Eu
   d. Ca
   e. Xe
6. What group contains the most reactive metals?

7. What group contains the most reactive non metals?