

# Making Compounds

## Study Guide

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

Draw the atoms listed in the boxes below. Identify the atom on the right that each of the atoms on the left will combine with to form a compound.

1. Lithium

Will combine with? \_\_\_\_\_

2. Nitrogen

Will combine with? \_\_\_\_\_

3. Boron

Will combine with? \_\_\_\_\_

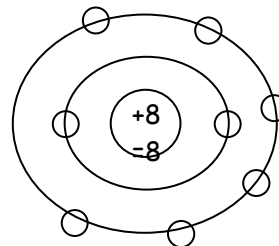
4. Magnesium

Will combine with? \_\_\_\_\_

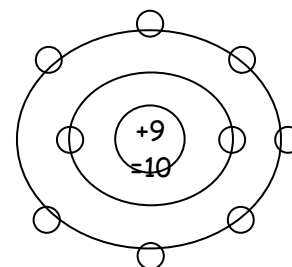
5. Sulfur

Will combine with? \_\_\_\_\_

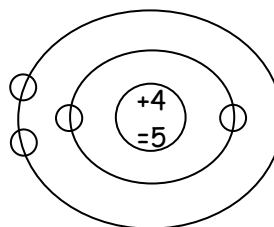
A.



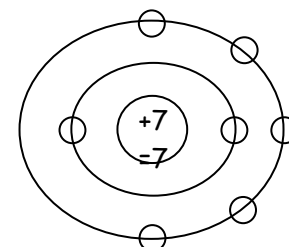
B.



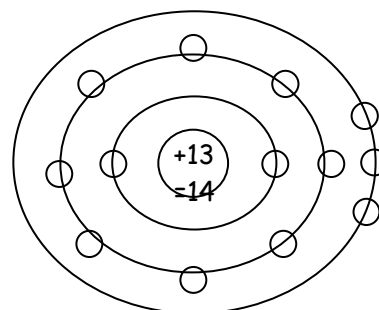
C.



D.



E.



Give the definition for each of the words listed below.

6. Definitions:

Compound: \_\_\_\_\_

Molecule: \_\_\_\_\_

Chemical Reaction: \_\_\_\_\_

Count the number of atoms of each element in the compounds listed below.

7. Counting Atoms: (Ex.  $3\text{CH}_3 = 3 \times 1 = 3$  Carbon's,  $3 \times 3 = 9$  Hydrogen's.)

$\text{H}_2\text{SO}_4$	$2\text{HC}_2\text{Cl}_3\text{O}_2$	$2\text{LiAlO}_2\text{Cl}_3$
$3\text{CaCl}_2$	$\text{H}_2\text{NO}_3$	$2\text{H}_3\text{CN}_3\text{Br}_2$
$3\text{C}_6\text{H}_{12}\text{O}_6$	$3\text{H}_2\text{O}$	$3\text{CaCl}_2 + 3\text{H}_2\text{O}$
$2\text{KCl} + 2\text{MgF}_2$	$2\text{SNO}_2$	$4\text{NO}$