

Name _____ Date Due _____

Homework 1 – Elements, compounds and electron arrangements

1. What elements are contained in the following compounds?

Sodium chloride: _____

Potassium nitride: _____

Potassium nitrate: _____

Copper carbonate: _____

Magnesium sulphate: _____

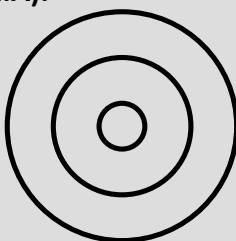
2. What is the difference between an element and a compound?

A compound is _____ or more elements joined _____.

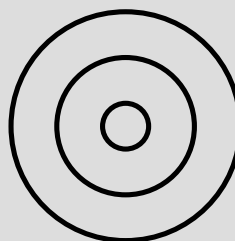
3. Complete the diagrams below showing electron arrangements (E.A).



Beryllium
E A 2 2



Sodium
E A 2 8 1



Chlorine
E A 2 8 7

4. What happens to electrons when atoms from a covalent bond?

When atoms form _____
bonds they _____ electrons.

5. What is a "diatomic molecule"?

A diatomic _____ is any
molecule with two _____ in
it. Examples are _____
(N₂), Bromine (Br₂) and
_____ Monoxide (CO).