Unit 3 Study Guide

Complete a Venn diagram for ionic bonding and covalent bonding below:

Create rules for naming ionic compounds:

1.

2.

3.

Create rules for naming covalent compounds:

!.

2.

3.

Write out the prefixes that are used in naming covalent compounds:

1- 2- 3-

4- 5- 6-

7- 8- 9-

10-

Find the charge on unknown compound X:

MgX2 XCl

X2O3  AlX

Find the charge on the transition metal:

RuCl4 Cd2S3

OsBr2 TcI5

How many total electrons are shared in the following covalent bonds?

Single Bond - Double Bond- Triple Bond -

Name to formula:

Calcium Bromide Dinitrogen Hexafluoride

Sulfur Pentoxide Iron (III) Selenide

Magnesium Phosphate Carbon Tetrahydride

Boron Chlorate Tungsten (V) Sulfide

Formula to name:

P3O Se2Br9

SrI2 N3Cl8

PtO2 Rb2CO3

C4F10 Re(AsO4)2