**Chemistry**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ September 16, 2014

**Section I**

**Balance the following chemical equations**

1. \_\_\_\_ Na3PO4 + \_\_\_\_ KOH 🡪 \_\_\_\_ NaOH + \_\_\_\_ K3PO4

2. \_\_\_\_ MgF2 + \_\_\_\_ Li2CO3 🡪 \_\_\_\_ MgCO3 + \_\_\_\_ LiF

3. \_\_\_\_ P4 + \_\_\_\_ O2 🡪 \_\_\_\_ P2O3

4. \_\_\_\_ RbNO3 + \_\_\_\_ BeF2 🡪 \_\_\_\_ Be(NO3)2 + \_\_\_\_ RbF

5. \_\_\_\_ AgNO3 + \_\_\_\_ Cu 🡪 \_\_\_\_ Cu(NO3)2 + \_\_\_\_ Ag

**Section II**

**Place the coefficients you obtained in section I (questions 1-5) in section II (questions 6-10) and use the following words to write the word equations for each of the following chemical equations.**

MgCO3 magnesium carbonate; LiF=lithium fluoride; P4= phosphorus; O2 = oxygen

P2O3  = di-phosphorus tri-oxide; RbNO3 = rubidium nitrate; BeF2 = beryllium fluoride;

Be(NO3)2 = beryllium nitrate; RbF = rubidium fluoride; AgNO3 = silver nitrate; Cu = copper;

Cu(NO3)2 = copper nitrate; Ag= silver; Na3PO4 = sodium phosphate;

KOH = potassium phosphate; NaOH= sodium hydroxide; K3PO4= potassium phosphate; MgF2 = magnesium fluoride magnesium; Li2CO3 lithium carbonate.

6. \_\_\_\_ Na3PO4 + \_\_\_\_ KOH 🡪 \_\_\_\_ NaOH + \_\_\_\_ K3PO4

7. \_\_\_\_ MgF2 + \_\_\_\_ Li2CO3 🡪 \_\_\_\_ MgCO3 + \_\_\_\_ LiF

8. \_\_\_\_ P4 + \_\_\_\_ O2 🡪 \_\_\_\_ P2O3

9. \_\_\_\_ RbNO3 + \_\_\_\_ BeF2 🡪 \_\_\_\_ Be(NO3)2 + \_\_\_\_ RbF

10. \_\_\_\_ AgNO3 + \_\_\_\_ Cu 🡪 \_\_\_\_ Cu(NO3)2 + \_\_\_\_ Ag