

Name: \_\_\_\_\_ period \_\_\_\_\_ date \_\_\_\_\_

## Single Replacement Reactions Worksheet

**A. Predict the products and balance the following single replacement reactions. If no reaction occurs write N.R. For transition metals use the following charges:**

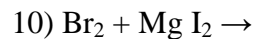
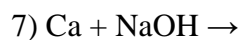
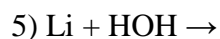
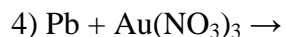
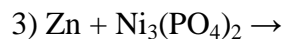
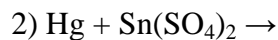
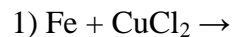
**Iron: Fe<sup>3+</sup>**

**Lead: Pb<sup>4+</sup>**

**Mercury: Hg<sup>2+</sup>**

**Gold: Au<sup>3+</sup>**

**Copper: Cu<sup>1+</sup>**



**B. Write the reactions and predict the products of each of the following single replacement reactions. If no reaction occurs write N.R.**

1) Lead (II) chloride + magnesium

2) Aluminum nitrate + zinc

3) Potassium + tin (IV) nitrate

4) Copper + silver nitrate

5) Sodium phosphate + potassium

6) Gold + hydrogen chloride

7) Magnesium + aluminum hydroxide

8) Iron + copper (II) sulfate

9) Iron + nickel (II) iodide

10) Sodium chloride + iodine