**Balancing Equations/ Predicting Products Quiz**

What are the charges on the following elements when they become ions?

Mg Al S Cs

Cl N Fe Ar

Name the type of reaction below, then balance (show work).

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

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

\_\_\_\_ P4 + \_\_\_\_ O2 🡪 \_\_\_\_ P2O3

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

What are the resulting compounds of the following (show work):

Mg and Cl Na and S Ba and Al K and P