**The Bestest Product Formation Homework Ever!**

For each of the problems below, indicate whether you believe a reaction will occur. For those that you believe will occur, write the expected products of the reactions. Remember to write symbols for the states of each compound.

1) \_\_\_\_ H2SO4 + \_\_\_\_ MgCl2

2) \_\_\_\_ Al + \_\_\_\_ FeI2

3) \_\_\_\_ Mg(OH)2 + \_\_\_\_ HCl

4) \_\_\_\_ Mg + \_\_\_\_ S8

5) \_\_\_\_ SrBr2 + \_\_\_\_ (NH4)3PO4

6) \_\_\_\_ H2CO3