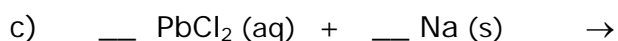
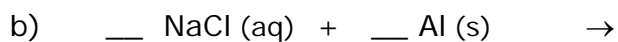
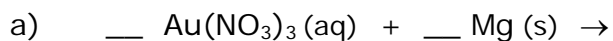
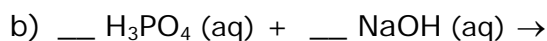
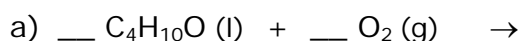

Quiz 4. TAKE HOME. Due R 4/5 at 7:10 p.m.

A. Completing and Balancing Reactions

1. Refer to the activity series for the single replacement reactions & write NR if the reaction will not occur. Complete and balance the reactions that do occur. (7 pt)



2. Complete and balance the following acid base neutralization and combustion reactions. (6 pts)



B. SHOW WORK and include units for answers! (Can attach work)

1. What is the molar mass of $\text{Co}_2(\text{CrO}_4)_3$? (1 pt)
2. How many moles are there in 21.5 g of $(\text{NH}_4)_3\text{PO}_4$? (2 pts)
3. How many grams is 6.65 moles of $\text{Mg}(\text{C}_2\text{H}_3\text{O}_2)_2$? (2 pts)
4. What is the mass of 13.5 L of $\text{N}_2\text{O}_4(\text{g})$ at STP? (3 pts)
5. What is the % composition of $\text{Fe}_2(\text{SO}_4)_3$? (4 pts)