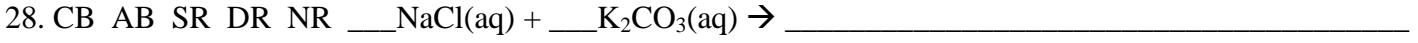
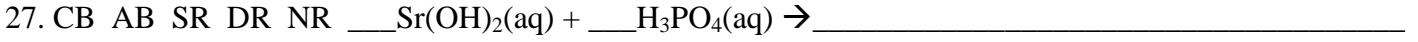
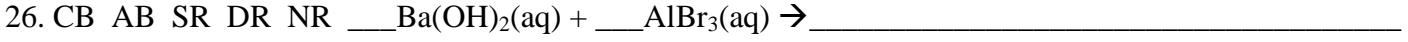
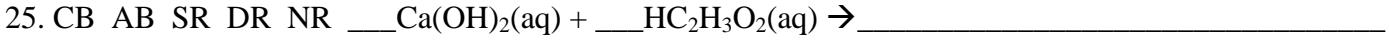
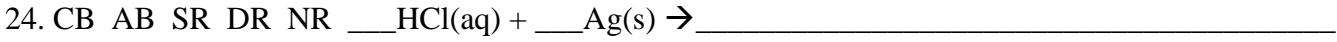
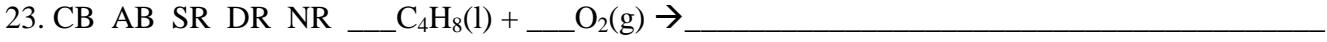
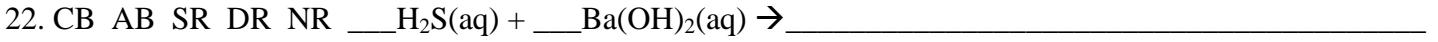
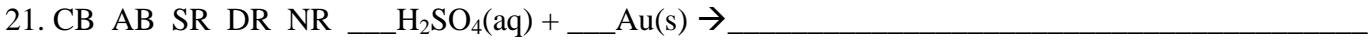
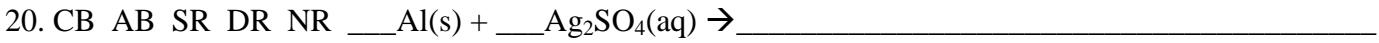
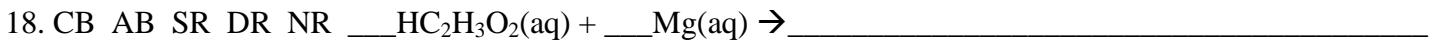


CHM 130 Predicting Products Worksheet

Circle the appropriate reaction type for each, complete the reaction with products (remember to check charges for ionic compounds), include states, and finally balance each reaction.

CB = combustion, AB = acid base neutralization, SR = single replacement,
DR = double replacement, NR = no reaction

1. CB AB SR DR NR $\underline{\quad}$ AgNO₃(aq) + $\underline{\quad}$ Al(s) \rightarrow _____
2. CB AB SR DR NR $\underline{\quad}$ Ba(OH)₂(aq) + $\underline{\quad}$ HNO₃(aq) \rightarrow _____
3. CB AB SR DR NR $\underline{\quad}$ Au(s) + $\underline{\quad}$ FeCl₂(aq) \rightarrow _____
4. CB AB SR DR NR $\underline{\quad}$ C₅H₁₂(l) + $\underline{\quad}$ O₂(g) \rightarrow _____
5. CB AB SR DR NR $\underline{\quad}$ Na₃PO₄(aq) + $\underline{\quad}$ AgNO₃(aq) \rightarrow _____
6. CB AB SR DR NR $\underline{\quad}$ Zn(s) + $\underline{\quad}$ HCl(aq) \rightarrow _____
7. CB AB SR DR NR $\underline{\quad}$ AgC₂H₃O₂(aq) + $\underline{\quad}$ MgCl₂(aq) \rightarrow _____
8. CB AB SR DR NR $\underline{\quad}$ Mg(s) + $\underline{\quad}$ Na₂SO₄(aq) \rightarrow _____
9. CB AB SR DR NR $\underline{\quad}$ HCl(aq) + $\underline{\quad}$ Cd(s) \rightarrow _____
10. CB AB SR DR NR $\underline{\quad}$ Al(s) + $\underline{\quad}$ KOH(aq) \rightarrow _____
11. CB AB SR DR NR $\underline{\quad}$ CuCl₂(aq) + $\underline{\quad}$ Zn(s) \rightarrow _____
12. CB AB SR DR NR $\underline{\quad}$ NaOH(aq) + $\underline{\quad}$ H₃PO₄(aq) \rightarrow _____
13. CB AB SR DR NR $\underline{\quad}$ HBr(aq) + $\underline{\quad}$ Al(s) \rightarrow _____
14. CB AB SR DR NR $\underline{\quad}$ Pb(NO₃)₂(aq) + $\underline{\quad}$ Al(s) \rightarrow _____
15. CB AB SR DR NR $\underline{\quad}$ C₇H₁₆(l) + $\underline{\quad}$ O₂(g) \rightarrow _____
16. CB AB SR DR NR $\underline{\quad}$ Mg(s) + $\underline{\quad}$ AgNO₃(aq) \rightarrow _____
17. CB AB SR DR NR $\underline{\quad}$ H₂SO₃(aq) + $\underline{\quad}$ KOH(aq) \rightarrow _____



Answers

