**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_**

**Balancing Chemical Reactions Practice #2**

***Directions****: Balance the following reactions. Remember, you have to have the same number of each element on each side of the equation.* ***THEN****, Identify the type of reaction for each problem as Synthesis (S), Decomposition (D), Single Replacement (SR), Double Replacement (DR), or Combustion (C)*

1. \_\_\_\_\_AlBr3 + \_\_\_\_\_ K → \_\_\_\_\_KBr + \_\_\_\_\_Al 1. Type:
2. \_\_\_\_\_FeO + \_\_\_\_\_ PdF2 → \_\_\_\_\_FeF2 + \_\_\_\_\_PdO 2. Type:
3. \_\_\_\_\_P4 + \_\_\_\_\_ Br2 → \_\_\_\_\_PBr3 *3.* Type:
4. \_\_\_\_\_LiCl + \_\_\_\_\_ Br2 → \_\_\_\_\_LiBr + \_\_\_\_\_Cl2 4. Type:
5. \_\_\_\_\_PbBr2 + \_\_\_\_\_ HCl → \_\_\_\_\_HBr + \_\_\_\_\_PbCl2 5. Type:
6. \_\_\_\_\_Li3(PO4) + \_\_\_\_\_ NaBr → \_\_\_\_\_LiBr + \_\_\_\_\_Na3(PO4) 6. Type:
7. \_\_\_\_\_CaF2 + \_\_\_\_\_ Li2(SO4) → \_\_\_\_\_LiF + \_\_\_\_\_Ca(SO4) 7. Type:
8. \_\_\_\_\_Li + \_\_\_\_\_ Ag(NO3) → \_\_\_\_\_Ag + \_\_\_\_\_Li(NO3) 8. Type:
9. \_\_\_\_\_Si(OH)4 + \_\_\_\_\_ NaBr → \_\_\_\_\_SiBr4 + \_\_\_\_\_Na(OH) 9. Type:
10. \_\_\_\_\_Na(CN) + \_\_\_\_\_ Cu(CO3) → \_\_\_\_\_Cu(CN)2 + \_\_\_\_\_Na2(CO3) 10. Type:
11. \_\_\_\_\_NaI + \_\_\_\_\_ Pb(SO4)2 → \_\_\_\_\_PbI4 + \_\_\_\_\_Na2(SO4) 11. Type:
12. \_\_\_\_\_C6H12O6 + \_\_\_\_\_ O2 → \_\_\_\_\_CO2 + \_\_\_\_\_H2O 12. Type:
13. \_\_\_\_\_Ag2S → \_\_\_\_\_Ag + \_\_\_\_\_S8 13. Type:
14. \_\_\_\_\_H2O2 → \_\_\_\_\_H2O + \_\_\_\_\_O214. Type:
15. \_\_\_\_\_CaF2 + \_\_\_\_\_ Na3P → \_\_\_\_\_Ca3P2 + \_\_\_\_\_NaF 15. Type: