CHEMISTRY **REACTION REVIEW II**

Directions: Balance each reaction below by writing the correct coefficient before the formula and identify and label each reaction as

[A] Combination reaction (Synthesis)
[B] Decomposition reaction (Analysis)
[C] Single Replacement
[D] Double Replacement
[E] Combustion

_____1. HgO -----> $Hg + O_2$

_____2. $C_4H_8 + O_2$ -----> $CO_2 + H_2O$

_____3. $Na + Br_2$ -----> $NaBr$

_____4. $K_3PO_4 + ZnSO_4$ -----> $K_2SO_4 + Zn_3(PO_4)_2$

_____5. $Ca + H_2O$ -----> $Ca(OH)_2 + H_2$

_____6. $ZnCrO4 + AgNO_3$ -----> $Zn(NO_3)_2 + Ag_2CrO_4$

_____7. $Cd + Sn(SO_4)_2$ -----> $Sn + CdSO_4$

_____8. $Al + O_2$ -----> Al_2O_3

_____9. $PbS_2 + O_2$ -----> $Pb(SO_4)_2$

_____10. P_2O_5 -----> $P_4 + O_2$

_____11. $KCl + F_2$ -----> $KF + Cl_2$

_____12. $C + O_2$ -----> CO_2

_____13. $Pb(CO_3)_2$ -----> $PbO_2 + CO_2$

_____14. $Al(MnO_4)3 + NH_4ClO_2$ -----> $NH_4MnO_4 + Al(VlO_2)_3$

_____15. $C_7H_{15}OH + O_2$ -----> $CO_2 + H_2O$

_____16. $MgO + CO_2$ -----> $MgCO_3$

_____17. $Al + Cu(NO_3)_2$ -----> $Al(NO_3)_3 + Cu$

_____18. Al_2O_3 -----> $Al + O_2$

_____19. $Na_2SO_4 + BaCl_2$ -----> $BaSO_4 + NaCl$

_____20. $CrI_3 + Cl_2$ -----> $CrCl_3 + I_2$