Balance each chemical reaction by filling in the blanks with the proper coefficients. If a coefficient is “1” then leave it blank. Classify each reaction as one of the five types.

____$NaBr$ + ____$Ca(OH)_2$ → ____$CaBr_2$ + ____$NaOH$

Type of reaction: _____

____NH_3 + ____H_2SO_4 → ____$(NH_4)_2SO_4$

Type of reaction: _____

____C_5H_{12} + ____O_2 → ____CO_2 + ____H_2O

Type of reaction: _____

____Pb + ____H_3PO_4 → ____H_2 + ____$Pb_3(PO_4)_2$

Type of reaction: _____

____Li_3N + ____NH_4NO_3 → ____$LiNO_3$ + ____$(NH_4)_3N$

Type of reaction: _____

____NH_4OH → ____NH_3 + ____H_2O

Type of reaction: _____

____Zn + ____HCl → ____$ZnCl_2$ + ____H_2

Type of reaction: _____

____S_8 + ____F_2 → ____SF_6

Type of reaction: _____

____KBr + ____I_2 → ____Br_2 + ____KI

Type of reaction: _____

____C_2H_6 + ____O_2 → ____CO_2 + ____H_2O

Type of reaction: _____

____Na_2SO_4 + ____$Pb(NO_3)_2$ → ____$PbSO_4$ + ____$NaNO_3$

Type of reaction: _____

____Mg + ____$CuCl_2$ → ____$MgCl_2$ + ____Cu

Type of reaction: _____

____N_2O_5 + ____H_2O → ____HNO_3

Type of reaction: _____

____HgO → ____Hg + ____O_2

Type of reaction: _____

____$FeCl_3$ + ____Na_2CO_3 → ____$Fe_2(CO_3)_3$ + ____NaCl

Type of reaction: _____

____$CsClO_3$ → ____CsCl + ____O_2

Type of reaction: _____

____K + ____Cl_2O → ____KOCl + ____Cl_2

Type of reaction: _____

____SO_2 + ____O_2 → ____SO_3

Type of reaction: _____

____C_2H_2 + ____O_2 → ____CO_2 + ____H_2O

Type of reaction: _____