CEM 090 – More Reactions To Balance

1. $2\ C_5H_{11}OH + 15\ O_2 \rightarrow 10\ CO_2 + 12\ H_2O$

2. $CaH_2 + 2\ H_2O \rightarrow Ca(OH)_2 + 2\ H_2$

3. $2\ ZnS + 3\ O_2 \rightarrow 2\ ZnO + 2\ SO_2$

4. $CH_3NO_2 + 3\ Cl_2 \rightarrow CCl_3NO_2 + 3\ HCl$

5. $C_6H_{12}O_6 \rightarrow 2\ C_2H_5OH + 2\ CO_2$

6. $2\ Al + Cr_2O_3 \rightarrow Al_2O_3 + 2\ Cr$

7. $CS_2 + 3\ Cl_2 \rightarrow CCl_4 + S_2Cl_2$ (This disulfur dichloride … OK as written)

8. $5\ C + 2\ SO_2 \rightarrow CS_2 + 4\ CO$

9. $2\ C_{10}H_8 + 9\ O_2 \rightarrow 2\ C_8H_4O_3 + 4\ CO_2 + 4\ H_2O$

10. $(NH_4)_2S_2O_8 + 2\ H_2O \rightarrow 2\ NH_4HSO_4 + H_2O_2$

11. $2\ NaF + CaO + H_2O \rightarrow CaF_2 + 2\ NaOH$

12. $2\ Na + H_2SO_4 \rightarrow Na_2SO_4 + H_2$

13. $2\ KClO_3 \rightarrow 2\ KCl + 3\ O_2$

14. $Zn + Cu(NO_3)_2 \rightarrow Cu + Zn(NO_3)_2$

15. $FeCl_3 + 3\ KOH \rightarrow Fe(OH)_3 + 3\ KCl$