Name _____ Period _____ Date _____

Unit 2

C.2 SUPPLEMENT: BALANCING EQUATIONS

Balance the following equations.

1. ____ $H_2 + O_2 \longrightarrow$ ____ H_2O

2. ____ $Mg + O_2 \longrightarrow$ ____ MgO

3. ____ $Ca + H_2O \longrightarrow$ ____ $Ca(OH)_2$ + ____ H_2

4. ____ $Cu + HgNO_3 \longrightarrow$ ____ $Cu(NO_3)_2$ + ____ Hg

5. ____ C_3H_8 + ____ $O_2 \longrightarrow$ ____ CO_2 + ____ H_2O

6. ____ Al + ____ $F_2 \longrightarrow$ ____ AlF_3

7. ____ Fe + ____ $O \longrightarrow$ ____ Fe_2O_3

8. ____ Fe_3O_4 + ____ H_2 $\longrightarrow$ ____ Fe + ____ H_2O

9. ____ HBr + ____ O_2 $\longrightarrow$ ____ Br_2 + ____ H_2O

10. ____ Al_2O_3 + ____ HCl $\longrightarrow$ ____ $AlCl_3$ + ____ H_2O

11. ____ NH_4OH + ____ $FeCl_3$ $\longrightarrow$ ____ $Fe(OH)_3$ + ____ NH_4Cl

12. ____ NH_3 + ____ O_2 $\longrightarrow$ ____ NO + ____ H_2O

13. ____ I_2 + ____ HNO_3 $\longrightarrow$ ____ HIO_3 + ____ NO_2 + ____ H_2O

14. ____ CaO + ____ P_2O_5 $\longrightarrow$ ____ $Ca_3(PO_4)_2$

15. ____ NaOH + ____ $Al_2(SO_3)_3$ $\longrightarrow$ ____ Na_2SO_3 + ____ $Al(OH)_3$