Classic Chembalancer Worksheet

http://funbasedlearning.com/chemistry/chemBalancer/default.htm

1. Click Start Game in the yellow box
2. Begin each time by putting "1" in each white box
3. Change the numbers in the white boxes until you have the same amount of each symbol on both sides of the arrow
4. Click the balanced button in the green box to check your answer
5. If you answer is correct, then record the correct answers in the blanks below
6. If you answer is not correct or needs to be reduced, then you will have the chance to fix it and try the balanced button again

1. _____ Fe + _____ S → _____ FeS

2. _____ H_2 + _____ Cl_2 → _____ HCl

3. _____ Mg + _____ O_2 → _____ MgO

4. _____ O_2 + _____ H_2 → _____ H_2O

5. _____ HgO → _____ Hg + _____ O_2

6. _____ Ca + _____ H_2O → _____ $Ca(OH)_2$ + _____ H_2

7. _____ CH_4 + _____ O_2 → _____ CO_2 + _____ H_2O

8. _____ Na_2O_2 + _____ H_2SO_4 → _____ Na_2SO_4 + _____ H_2O_2

9. _____ N_2 + _____ H_2 → _____ NH_3

10. _____ Al + _____ O_2 → _____ Al_2O_3

11. _____ $KMnO_4$ → _____ K_2O + _____ MnO + _____ O_2

Now it's your turn:
Balance these on your own, you may draw out the symbols if you'd like.

12. _____ Na + _____ H_2O → _____ NaOH + _____ H_2

13. _____ H_2SO_4 + _____ NaOH → _____ Na_2SO_4 + _____ H_2O

Review Chembalancer Worksheet

http://funbasedlearning.com/chemistry/chemBalancer2/default.htm

1. Click Start Game in the yellow box
2. Begin each time by putting "1" in each white box
3. Change the numbers in the white boxes until you have the same amount of each symbols on both sides of the arrow
4. Click the balanced button in the green box to check your answer
5. If you answer is correct, then record the correct answers in the blanks below
6. If you answer is not correct or needs to be reduced, then you will have the chance to fix it and try the balanced button again

1. _____ S + _____ O_2 → _____ SO_2

2. _____ Na + _____ O_2 → _____ Na_2O_2

3. _____ Hg + _____ O_2 → _____ HgO

4. _____ Ag_2O → _____ Ag + _____ O_2

5. _____ $Ba(OH)_2$ + _____ H_3PO_4 → _____ $BaHPO_4$ + _____ H_2O

6. _____ $NaOH$ + _____ H_3PO_4 → _____ Na_2HPO_4 + _____ H_2O

7. _____ C_4H_8 + _____ O_2 → _____ CO_2 + _____ H_2O

8. _____ C_3H_8 + _____ O_2 → _____ CO_2 + _____ H_2O

9. _____ Fe + _____ Cl_2 → _____ $FeCl_3$

10. _____ Al + _____ HCl → _____ $AlCl_3$ + _____ H_2

Now it's your turn:
Balance these on your own, you may draw out the symbols if you'd like.

11. _____ HgO → _____ Hg + _____ O_2

12. _____ NCl_3 + _____ H_2O → _____ $HClO$ + _____ NH_3

Brain Boggle Chembalancer Worksheet

http://funbasedlearning.com/chemistry/chemBalancer3/default.htm

1. Click Start Game in the yellow box
2. After the second question, *no symbols* will be shown as you attempt to balance the equations. This will start to prepare you for balancing reactions without writing extra symbols. You may still draw your own if you'd like, but you are not encouraged to do so.
3. Click the balanced button in the green box to check your answer
4. If you answer is correct, then record the correct answers in the blanks below
5. If you answer is not correct or needs to be reduced, then you will have the chance to fix it and try the balanced button again

1. _____ F_2 + _____ Al_2O_3 → _____ AlF_3 + _____ O_2

2. _____ C_2H_6 + _____ O_2 → _____ CO + _____ H_2O

3. _____ NH_3 + _____ O_2 → _____ NO + _____ H_2O

4. _____ C_5H_{12} + _____ O_2 → _____ CO + _____ H_2O

5. _____ C_8H_{18} + _____ O_2 → _____ CO + _____ H_2O