Directions:
1. Start Internet Explorer and go to Review Chembalancer.
2. Click ‘Directions’. Read and understand the directions.
3. Click ‘OK’.
4. Click on ‘Start Game’
5. Try entering some numbers in the text boxes in front of each molecule. What happens?
6. If you forget the directions, click on the ‘How to Play the Game’ link. Click ‘OK’ when you finish reading them to return to the game.
7. When you think you have typed the right numbers in all the boxes, click the ‘Balanced’ button.
8. If you didn’t get it right, try again.
9. If you did get it right, then fill in the correct answers on this worksheet for #1.
10. Repeat steps 7-9 for the other 9 questions.
11. Now do the two problems on the back of this worksheet. You can draw the molecules just like the program did to figure out the answer.

Questions
Fill in the blanks below as you go through the game. This is so I have a record that you did your assignment.

1. _____ S + _____ O2 --> _____ SO2
2. _____ Na + _____ O2 --> _____ Na2O2
3. _____ Hg + _____ O2 --> _____ HgO
4. _____ Ag2O --> _____ Ag + _____ O2
5. _____ Ba(OH)2 + _____ H3PO4 --> _____ BaHPO4 + _____ H2O
6. _____ NaOH + _____ H3PO4 --> _____ Na2HPO4 + _____ H2O
7. _____ C4H8 + _____ O2 --> _____ CO2 + H2O
8. _____ C3H8 + _____ O2 --> _____ CO2 + H2O
9. _____ Fe + _____ Cl2 --> _____ FeCl3
10. _____ Al + _____ HCl --> _____ AlCl3 + _____ H2

Fact for #11: Mercuric oxide, HgO, is used to make the cathode of dry cell batteries.

11. _____ HgO --> _____ Hg + _____ O2

Fact for #12: NH3 is ammonia. Ammonia is commonly used as the refrigerant in large industrial refrigerators and freezers.