Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hour \_\_\_\_\_\_

**PhET Balancing Chemical Equations**

* Go to the University of Colorado – Boulder PhET website at <http://phet.colorado.edu>
* Click “Play with Sims”
* Seek and click on “Chemistry” on the left-hand panel
* Find and click on “Balancing Chemical Equations”

1. Click on the “Balance Scale” and “Make Ammonia” and balance the chemical equation for making Ammonia. Write the balanced equation below.
2. What happened to the scales when the chemical equation was balanced?
3. Click on the “Bar Charts” and “Separate Water” balance the chemical equation for separating Water. Write the balanced equation.
4. What happened to the bar charts when the chemical equation was balanced?
5. Click on the “Combust Methane” and balance the chemical equation for the combustion of Methane. Write the balanced equation.
6. Go to Balancing Game and set the game to Level 1 and sound off, what is your best score and time?
7. Once Level 1 is complete, set to Level 2, what is your best score and time?
8. Once Level 2 is complete, set to Level 3, what is your best score and time?