

Balancing Equations Online Activity

Go to the website <https://phet.colorado.edu/en/simulation/balancing-chemical-equations>

Objective to write in your lab notebook:

To explore different equations and learn how to balance them using an online app

Procedure: Make sure to reference this online handout but you also need to write a "brief synopsis" stating what you are going to do in this lab and by what means you are going to complete this activity

Activity #1

Start with the Introduction Activity and complete all three activities:

i) Make ammonia ii) Separate Water iii) Combust Methane

For each activity make sure to write down each finished, balanced equation in your lab notebook. Make sure to label what each equation is being represented in your notebook.

Activity #2

- 1) Go back to the main screen of the simulation app and choose "Game" activity
- 2) Starting with "Level 1" complete as many of the problems as you can
- 3) Make sure to write down the finished, balanced equation in your lab notebook
- 4) Make sure to label each equation you are writing down

Conclusion: For this lab, the conclusion will need to include your reflection on what parts of the activity were the most difficult for you to complete. Also, you need to talk about what you are going to personally do to increase your skills in Chemistry.

Your lab notebook is going to be collected at the end of the block today.