

Appendix – Resources

To create the Empirical Formula calculator, I needed to refresh my memory on empirical formulas as well as find a resource for getting the molar masses of elements. I found the following video from Khan Academy helpful for refreshing my knowledge on Empirical Formulas before starting my development of the program:

<https://www.khanacademy.org/science/chemistry/chemical-reactions-stoichiome/empirical-molecular-formula/v/formula-mass-composition>

In addition to this, the enum created by Felix Divo saved me huge amounts of time in programming an enum to store the values for molar masses.

<https://gist.github.com/felixdivo/11159677>

For the programming of this project, I found that the most important resources that were available for the GUI development were the JTable and JComboBox Instructions and Tutorials available from Oracle as they gave step-by-step instructions on how to implement each and add them to the JPanel as well as how to render them without causing errors.

<https://docs.oracle.com/javase/tutorial/uiswing/components/table.html>

<https://docs.oracle.com/javase/tutorial/uiswing/components/combobox.html>