Spring 2020 IOST Assignment One [Insert Name Here] **Individual Homework Activity to be placed in your Google Drive Folder (Insert you name for LAST name in the file name)**

1. After reading the <https://en.wikipedia.org/wiki/Flowchart>, create a flowchart using <https://www.draw.io/> that would describe heating a sample to constant mass. The following video is a nice overview of how to use it <https://youtu.be/Z0D96ZikMkc>) (5 points)

**[Insert Image Here]**
2. Create a Python program that prints out the following information and upload it as a python file with the following file name LastName\_py01\_Q2.py (the ".py" is the python file extension) (10 pts)

Line 1 prints out the name of an element and its atomic mass

Line 2 prints out the name of another element and its atomic mass

Line 3 prints out the value of the addition of the atomic masses of the two elements

Line 4 prints out the value of the product of the atomic masses of the two elements

Sample Printout for Hydrogen and Chlorine would look like:

Hydrogen: 1.008

Chlorine: 35.453

Sum: 36.461

Product: 35.734

**Your program must contain documentation lines** that include your name, the date, a line that states “Py01 Homework question 2” and a description line or two that indicates what the program is supposed to do. Take a screen shot of the program and the output and attach below:

**[Insert Screenshot Here]** (note, adjust all images so that they do not span a page break).

1. Python uses multiple data types. Using hypothes.is, find two different sites that describe data types in Python and write below a description of the difference between integers, floating point numbers and string literals. Be sure to tag the hypothes.is annotations with the chapter's tag: **S20IOSTpy01ualr (case sensitive)**

[type Answer to question 2 here]