Lab Report for 9/10/23:

* Today’s experiment of determining whether the boiling point extraction was a viable method for extracting the solvents was not tested completely.
  + Due to time constraints, the chloroform solution and the CuSO4 standard were not prepared hence now the other 3 solutions are being stored in the lab for tomorrow.

Lab Work: (11:00-11:30)

* Around 0.1g of PPP (pomegranate peel powder) was added to 4 different beakers.
* Then, 30mL of each solvent (except chloroform) was added to 3 of the beakers using a measuring cylinder and funnel.
  + 50% ethanol prepared using 15mL of water in the measuring cylinder and 15mL of ethanol being added on top.
* Afterwards, the beakers were placed on the heating mantle for 15 minutes.
* There was an observed color change in all of the solutions
  + Due to time constraints, the colors could not be noted down. However, all the solutions were generally a pale yellow color.
* Finally, the beakers were covered on top with foil and stored in the lab.

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| **Solvent** | **Mass of PPP (grams)** |
| Water | 0.107 |
| Ethanol | 0.097 |
| 50% Ethanol | 0.107 |
| Chloroform | 0.117 |
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| **Solvent** | **Boiling Timings** |
| Water | 11:11 – 11:26 |
| Ethanol | 11:15 – 11:30 |
| 50% Ethanol | 11:18 – 11:33 |