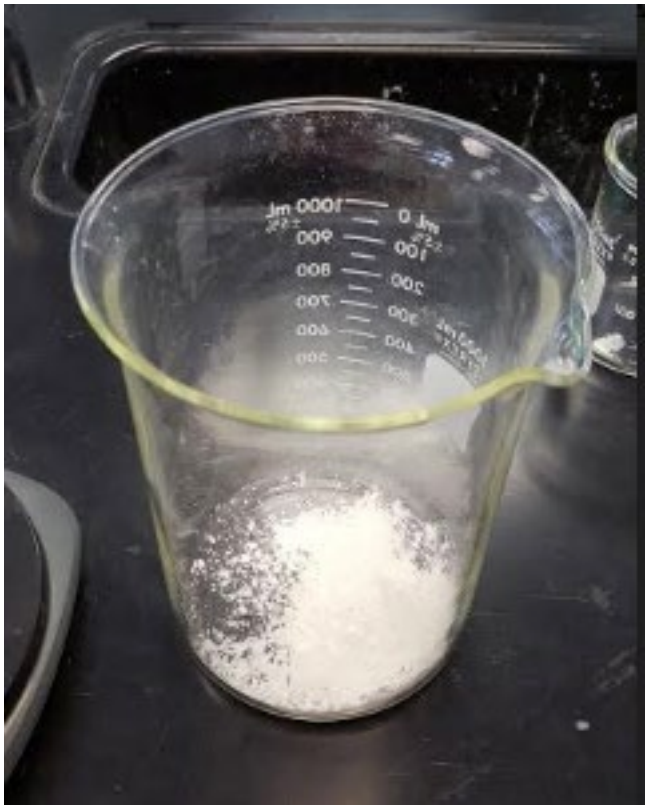
Control Lab Procedures

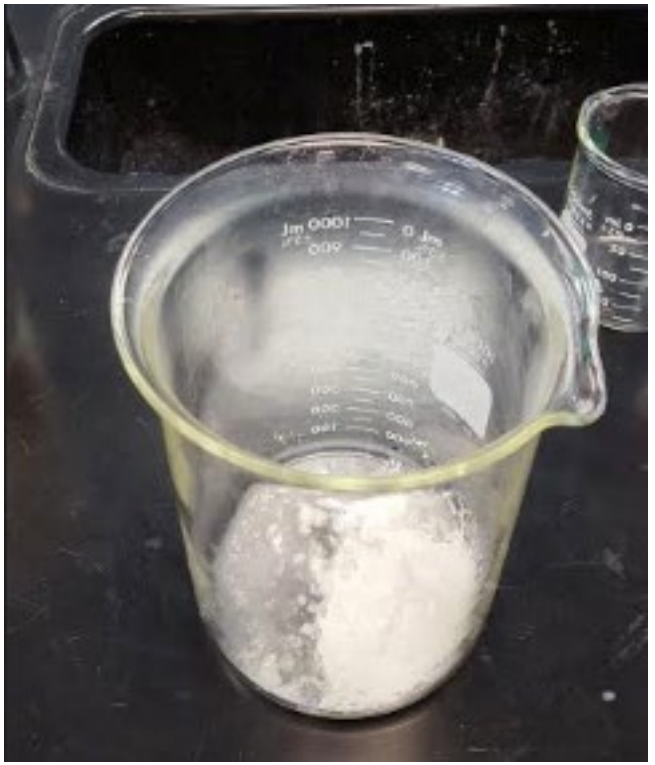
Preheat hot plate to 400°C

Label petri dishes (top and bottom) with sample name

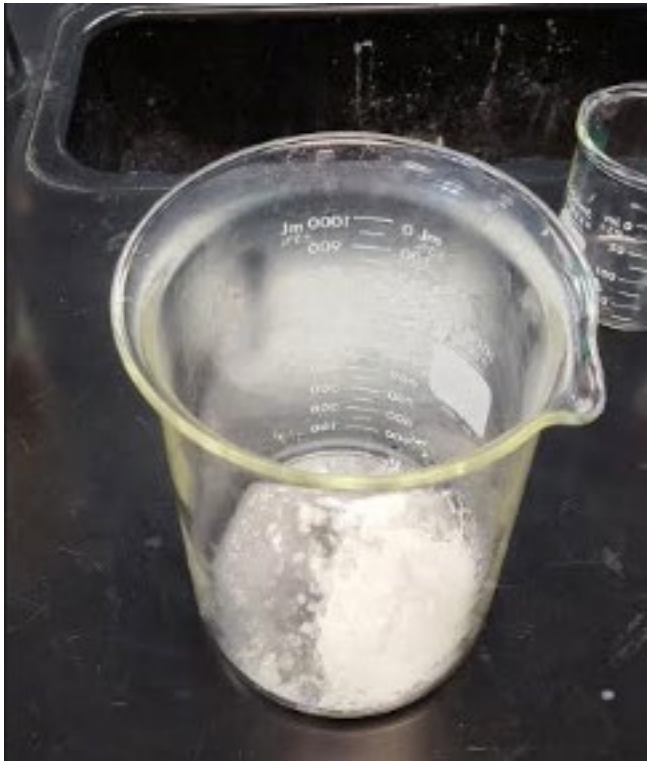
Add 10 g of cornstarch to a 1000 ml beaker



Add 5 ml of vinegar to the same beaker (using a 10 ml graduated cylinder)



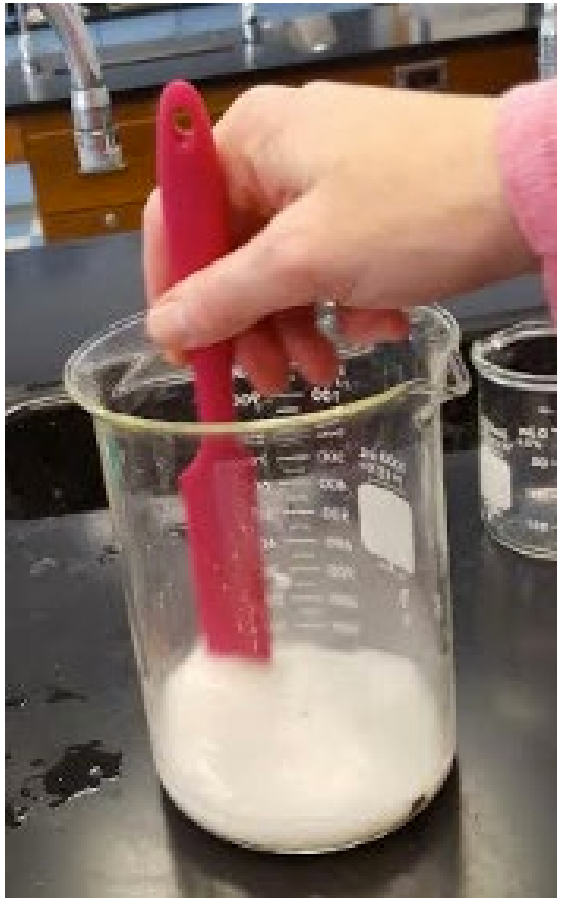
Add 5 ml of glycerin to the same beaker (using a 10 ml graduated cylinder)



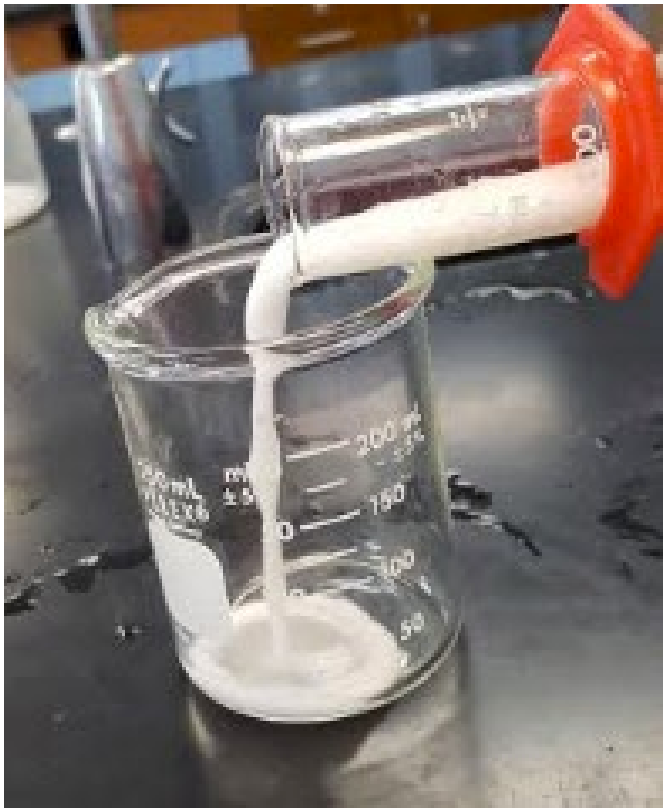
Add 60 ml of water
(using a 100 ml graduated cylinder)

Use your measured water to get the glycerin residue from the graduated cylinder (in Step 3)

Stir using a silicon spatula until the material is completely dissolved and the solution is uniform

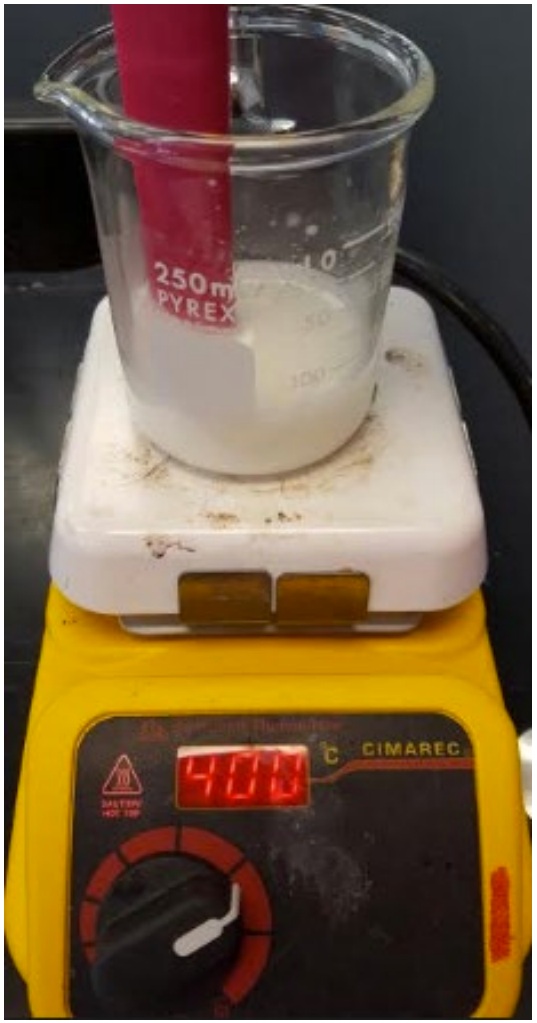


Measure out 60 ml of the mixture, using a 100 ml graduated cylinder into a 250 ml beaker

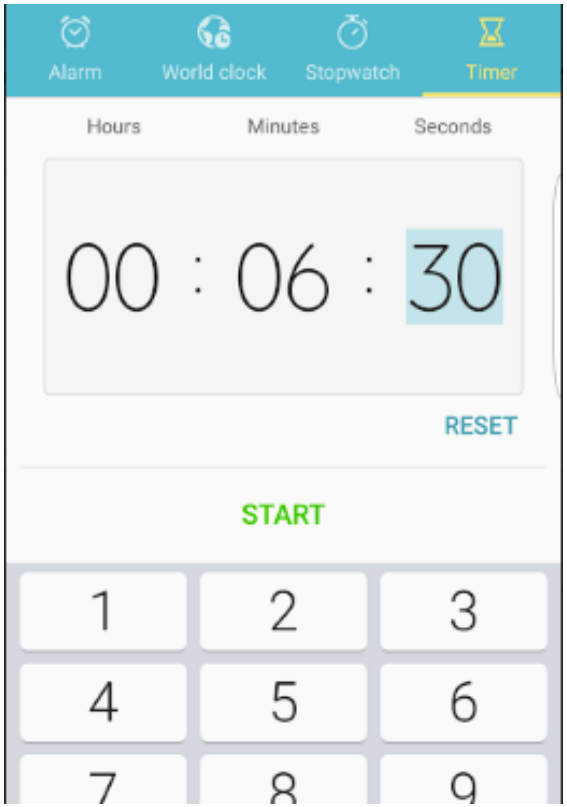


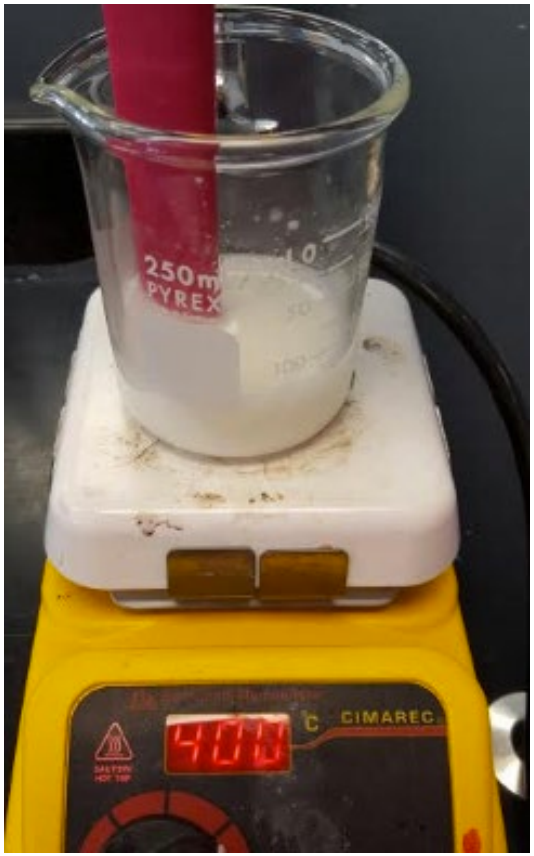
Add 0.6 grams of Phosphorescent Powder to the 60mL mixture and Stir

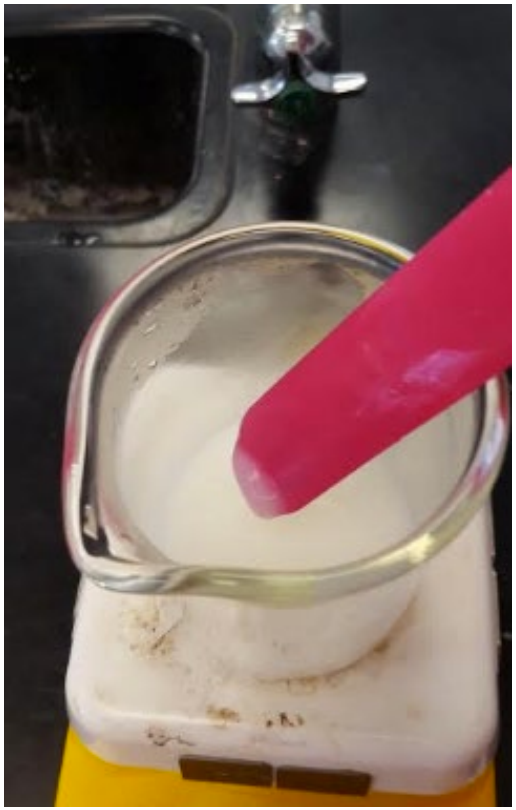
Heat the mixture in the 250mL Beaker using the preheated 400°C Hot Plate



Continuously stir while heating the mixture for 6 minutes and 30 seconds







After 6 minutes and 30 seconds, the mixture will become a clear and/or a viscous solid

Transfer the heated mixture to a prepared petri dish using the spatula; let sit and dry overnight