Hydrate Lab Procedure

* Inspect and record observations of hydrates and anhydrous salts provided by your instructor.
* Flame dry 2 crucibles with a ring stand and Bunsen burner in a chemical hood.
* Place dehydrated crucible in desiccator and allow to cool to room temperature before weighing.
* Repeat the heating process twice to verify the crucibles are entirely dry.
* Add a 100-150 mg sample of of mystery hydrate to each crucible and record their combined mass.
* Heat the hydrate in the crucible for 2-3 min with a partially ajar aluminum foil cover.
* Allow cooling in desiccator and recording the mass of the resulting anhydrous salt.
* Repeat the last two steps to ensure that the all the water has evaporated.