

Experiment 2 - Melting Point of Known and Unknown Compounds

Your TA will demonstrate the use of the Meltemp apparatus.

Note: the dial on the Meltemp controls the rate of heating, not the absolute temperature.

Your TA will demonstrate loading of the mp capillaries.

Used capillaries are considered hazardous waste. Please dispose of them into the labeled evaporating dishes at your Meltemp.

The **three standard compounds** and the **nine unknown compounds** are in crystallization dishes on supply bench. Load your capillaries there, then go to a Meltemp. Use any Meltemp that is available – there are no assigned spaces for mps.

Melting points for all compounds, including standards, are listed in the melting point table in your handout. Do not use the mp values in reference texts.

When you are finished for the day, clean up your area, including any chemicals spilled around your Meltemp. Only then should you ask your TA to sign your notebook.