

**PreLab:**

Develop a plan to measure the heat of fusion of  $\text{H}_2\text{O}$ .

$\Delta H_{\text{fusion}}^\circ$  The amount of energy (in  $\text{kJ/mol}_{\text{rxn}}$ ) for  $\text{H}_2\text{O}_{(\text{s})} \rightarrow \text{H}_2\text{O}_{(\text{L})}$

**Materials on tray for two groups**

- beaker
- graduated cylinder
- foam cups
- thermometer
- tongs
- ice
- water from the tap at lab bench  $\sim 20^\circ\text{C}$
- *Ask if there seems to be something else you need*

*Outline your procedure below. Gather your data on the back of this sheet. Put your data/calcs into your Google sheets.*

**Procedure - Protective eye wear is NOT optional.**

A.

**LAD C2   Phase Change of Water,  $\Delta H_{fusion}$** 

	Trial 1	Trial 2 ?	Trial 3 ?

**Sample calculations outlined clearly below.**