

## **PROPOSED THEORY**

In the textbook (section 13-4) we read the following:

“Most substances expand more or less uniformly with an increase in temperature, as long as no phase change occurs. Water, however, does not follow the usual pattern. If water at  $0^{\circ}\text{C}$  is heated, it actually decreases in volume until it reaches  $4^{\circ}\text{C}$ . Above  $4^{\circ}\text{C}$  water behaves normally and expands in volume as the temperature is increased.”

As in the previous lab, you should assume that this is just a theory (or claim) that may or may not be correct. Your goal is to perform a testing experiment of this theory.