

Temperature Lab Instructions

Before doing anything with the equipment, copy and answer the following three questions in the *Predictions* section in your notebook.

- What do you think the glowstick will look like in the hot water?
- What do you think the glowstick will look like in the cold water?
- What will the temperature of the ice water be?

Create another section for this lab titled *Data* and make a table like this in it.

Cup	Temp. (°C)	Glowstick Observation
Hot Water		
Cold Water		

Procedure:

1. Remove a glowstick from its wrapper. Bend the glowstick until you hear a snap. This will activate the glowstick.
2. Place hot water in one styrofoam cup and ice water in another styrofoam cup.
3. Start with the cup containing the hot water. Place the thermometer in the water. Record the temperature. Next, place the glowstick in the hot water. Record an observation about the glowstick.
4. Now test the cup containing the ice water. Place the thermometer in the water. Record the temperature. Next, place the glowstick in the water. Record an observation about the glowstick.

Create another section for this lab titled *Summary* and answer the following questions in it.

- How did your glowstick observations differ?
- What do you think caused this difference?
- What was the temperature of the cold water?
- Was this what you expected?