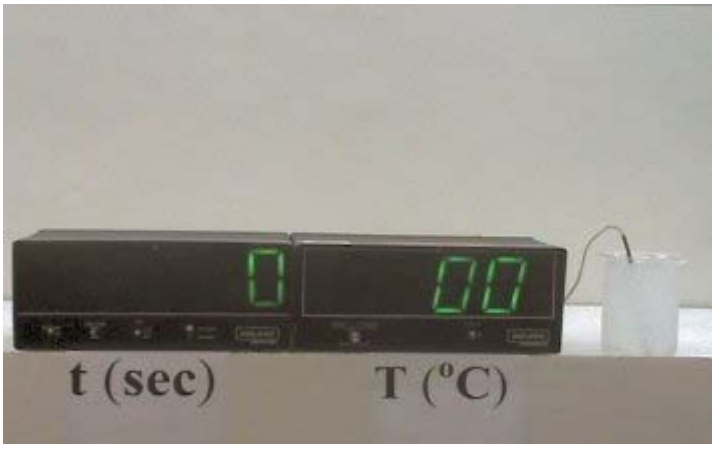
Question #278

A temperature probe is placed in a container of icewater, as seen in the photograph below. At the left is a digital timer, measuring elapsed time in seconds, in the center is the thermal probe, measuring the temperature of the icewater bath in degrees Celcius, and at the right is the 1000 ml beaker of icewater with the thermal probe.



Now 50 ml of salt is poured into the icewater, the timer started, and the thermal probe used to mix the salt into the icewater, as seen in an mpeg video by clicking your mouse on the photograph above.

The question is: What will happen to the temperature of the icewater as time goes on?

- (a) The temperature of the icewater will increase.
- (b) The temperature of the icewater will decrease.
- (c) The temperature of the icewater will remain about the same.

Click here for Answer #278 after March 19, 2007.

Question of the Week

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For questions and comments regarding the *Question of the Week* contact Dr. Richard E. Berg by e-mail or using phone number or regular mail address given on the Lecture-Demonstration Home Page.