Which Freezes Faster? 3/12/05 9:47 AM

HomeLab: Which Freezes Faster: Hot Water or Cold Water?

Name Perio	d
An ongoing controversy has been that hot water will freeze faster than cold water. Even Jearl Walker. Those who try it sometimes find inconsistencies in their results.	er wrote an article on it in Scientific American.
Considering Newton's Law of Cooling (rate of heat conduction is proportional to the temp. differe power of the temp. in K). We might guess that it would be impossible for a hotter substance to catch other conditions are equal. So why the big disagreement over the years? Hence we shall try it ourse	h up with and surpass a colder substance if all
We shall have to be careful to make the conditions the same for both samples identical containers, location in the freezer, are they covered or uncovered, etc.	the same mass of water in each, the same
PURPOSE: To find out which freezes faster, hot or cold water.	
PROCEDURE: Devise and WRITE YOUR procedure here:	
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PERFORM THE EXPERIMENT: List your observations and what was the final outcome?	
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WRITE AN HYPOTHESIS on why it came out the way it did.	
QUESTIONS:	
1. Was your result conclusive or too close to be sure?	
2. What could be done to improve your results?	
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3. Try again??	

CRITIQUE (on back):