Chem 1314 Sections 16 - 23 Laboratory, Week of October 10, 2016 Fall 2016

Name		
TA Name		
	Lab Section #	

ALL work must be shown to receive full credit. Due upon arrival in laboratory.

Pre-Laboratory Questions:

- 1. In this experiment you will be immersing a piece of metal that has been heated to a known temperature into a sample of water of known temperature (room temperature). Initially the temperature of the metal is higher than the temperature of the water.
 - a) When a piece of hot metal is added to the water (initially at a temperature around room temperature) does the metal gain or lose heat? Explain.

b) When a piece of hot metal is added to the water (initially at a temperature around room temperature) does the water gain or lose heat? Explain.

c) What is the relationship between the heat gained/lost by the metal and the heat gained/lost by the water?

d) After adding the piece of metal to the water, how are the final temperature of the metal and water related?

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