## Heat and Temperature Change Lab Report Sheet

## **REPORT SHEET**

There are two documents to upload to the "Heat and Temperature Change" assignment in the lab block. One is this report sheet, as described below. The other is the "selfie" described below.

You

You ca	n either:
•	Print out the report sheet, record the measurements as you make them, and show sample calculations by pen directly on the sheet. Once the sheet is ready, either scar it or take a picture of it. You can upload the image using the "assignment" feature or our Moodle site. Make sure the image or scan you upload has a jpeg (.jpg) or a .pdf extension
	or
•	Work online on the report sheet, save your word file (save it as yournameheat.doc) and upload the sheet.
NAME:	
DATE:	<del></del>
C.	Exothermic process note: remember to include your units when reporting data  Mass of egg:
	Mass of empty calorimeter:
	Mass of calorimeter plus water:
	Mass of water:
	Temperature of water the egg is sitting in (after 12 min):oC (Tinitial, egg)
	Did you turn off the stove? Yes / No
	Initial temperature of the cool water in the calorimeter:oC (T <sub>initial, cal</sub> )

Final temperature of the water in the calorimeter

before it begins to fall: \_\_\_\_\_\_oC (Tfinal, cal = Tfinal, egg)

	$\Delta T$ water:		
	qwater = qsurr:		
	(hint: procedure contains the specific heat capacity of water) show your work		
	qegg = -qsurr:		
	Cegg: show your work		
D.	Endothermic process		
	Mass of weighing boat plus baking soda:		
	Mass of weighing boat after transfer:		
	Mass of baking soda transferred to calorimeter:		
	Mass of empty calorimeter (from part A):		
	Mass of calorimeter plus vinegar:		
	Mass of vinegar in calorimeter:		
	Mass of solution:		
	Initial temperature of the vinegar in the calorimeter:	_°C (Tinitial, cal)	
	Final minimum temperature of the vinegar in the calorimeter : $\_$ ( $T_{\text{final, cal}}$ )		º(
	$\Delta T$ vinegar:		
	qvinegar = qsurr:		
	(hint: assume that the specific heat capacity of the vinegar is the so water) Show your work.	ame as that of	

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qreaction = -qsurr:
qreaction divided by mass of baking soda:
Observations (what did the baking soda look like? What happened when you added it?)

After you have recorded your final temperature, take a "selfie" with you and your endothermic experiment. This "selfie" should also display the setup you used for the endothermic process, including all supplies. Upload your 'selfie" to the Heat and Temperature Change assignment in the Moodle lab block