Experiment 7 Lab Rep	ort: Name	Section (M-1) (M-3) (V	V-1) (W-3)	
		ull credit. Handwarmer Part I Circle your s		
By writing down your remaining 50% of you	, ,	0% of your grades. The other questions below sed the lab with an excuse, you should pre-ar		
Part 2 -specific heat c warming sausage)	apacity of a human hand (usin	g 100 mL of water, density water = 1 g/mL)(rx	(n =	
T _{initial} of ice water	T _{initial} of v	water in calorimeter		
	riting down low T until T starts	(write down the lowes going up on separate paper)	t	
Mass of one Vienna sa	ausage =	(dry after calorimeter T measuremer	nt)	
		PC)(ΔT _{water}) [ΔT _{water} = T _{final} calorimeter — T _{initial} calori om temperature, T _{ice water} = ~ zero ^o C		
Part 3 – Endo and Exothermic Properties of Salts – (a) in TT #1 add 2 cm DI water (b) in TT #2 add 1 cm of salts, (c) add TT #2 to TT #1 (write down T after addition of salt on separate paper until reach either lowest T or highest T) Choosing which salt to use:				
		T final of water		
RXN Na Cl (s) →	+			
Step 4: K Cl T initia	al of water	「final of water		
RXN K CI (s) \rightarrow	+			
Step 5: Ca Cl ₂ T init	ial of water	T final of water		
RXN Ca $Cl_2(s) \rightarrow$	+			

Best Salt Pack Salt is [(NaCl) or (KCl) or (CaCl₂)] (circle one)

Choosing how much of the sa	alt to use vs. how much water to use	(1 g/mL = density of water)
Step 6,7,8 for 100 mL water	mass of your chosen salt	(use between 8 to 12 grams)
Volume of water	T _{initial}	T _{final}
Mass of water	total mass (mass water + sal	t)
Step 6,7,8 for 70 mL water	mass of your chosen salt	(use ~ same as for the 100 mL)
Volume of water	T _{initial}	T _{final}
Mass of water	total mass (mass water + sal	lt)
Step 6,7,8 for 50 mL water	mass of your chosen salt	(use \sim same as for the 100 mL)
Volume of water	T _{initial}	T _{final}
Mass of water	total mass (mass water + sal	t)
Which volume of water is yo	our choice for the best handwarmer?	
[(100 mL water) or (70 mL wa	ater) or (50 mL water)] (circle one)	
Calculation for Part 3:		
100 mL trial q _{rxn} = - (mass wa	ater + mass salt)(4.184 J/g°C)(T _f -T _i)	
70 mL trial		
50 mL trial		