Exp. Number	Experiment Title/ Subject				06
2	Heat of Re	action	particular in the separate and continues are a second continues.		Section
Name		Lab	ertner	Course	
Kevin Zhang					
Temo	perature of 41C1 i	15.300			
	erature of NaOM				
1 1 1 2					
Final Temperature: 28.8°C				exoturnic	
Ten	sporative change:	13.55	122	the second secon	
1	The mc DT = (	1509) (4.18	4 319.03 (13.5	DC) = 0.20	. 7
				0.7	0 10
M	oles of water =	7.0 MOI . 1	onl. Buts wi	- = 0.15 mol	•
01	1 per male of wat	v = 8.70 1	3 - 4 7		
	1 per mole of unt	0.15	mol = 56.7	FJ/Mol.	
me	as of Ma : 0.	29/2 g _ jms		20	
mic	oles of Mg: (o.	29295 ( 24.0	059	20 7(0)	
initi	al temperature: 15	15.9	C		
t'm	al semperative:	23 0°C			
Ten	aparature change: AH = MC BT =	7,100		1 1	roturnic
	AH = mc DT =	(1509) (4.	184319°()(7	.1°() = 41	. 456 x10 ]
		3	9	Ч,	456 15]
1	per mole of Ma =	1 456 KJ	> = 371.33	155/mol	
DH	be more or in	0.0120	.01		
Va	vt3	R.		<b>1</b>	1 7 171
(1) 1-1	+ + OFT -> H21	7 1 (1) 112	0 -> H + 0 F1	DH = 7	6.7 KJ/mol
(2) M	g(s) + 21-1 -> 1g(s) + 21-120 -	Mg + 142		DH = T	371.33 KJINO
(3) M	19(s) + 2 -120 +	> Mg2+ +	20HT + Hz		
	DH(3) = 114(2) +	2 AH . = -	71.33 KJ/mol +	+ 2(56.7107	(mos)
	(3) ~ (2)	=-2	57.93 153/000		
				+ + + + +	
				+ + + + +	
		+ + + + + + +			
Student's Signa	ture	Date	Instructor/TA Signature		Date