## Experiment 14 Worksheet: Endo- and Exo- Energy's Comings and Goings

Purpose: (A statement should be made here regarding what your experiment is designed to accomplish)
<u>Procedure:</u> (Describe here how you went about completing your experiment. Use enough detail that someone could repeat it if necessary. Also reference any books or manual you may have used to assist you.)
Data:
Observations of the reaction between KCl & Water:

(Complete the Table using experimental results for the KCl reaction)

Time (sec)	Temperature (°C)
0	
15	
30	
45	
60	
75	
90	
105	
120	

bservation	ns of the reaction be	tween KOH and water:	
(Com	plete the Table using exp	erimental results for the KOH reactio	n)
	Time (sec)	Temperature (°C)	
	0		
	15		
	30		
	45		
	60		
	75		
	90		
	105		
	120		
•	owing calculations, i	remember that the reaction tak t is being observed/measured is	-
	ich is also the "surro		s taking place in the
alculate th	ne $\Delta T$ ( $\Delta T = T_F - T_I$	) for the reaction between KC	Cl and Water:
ased on yo	our ΔT, is the reaction	on endothermic or exothermic	c? Explain:

## Calculate the $\Delta T~(\Delta T = T_F - T_I)$ for the reaction between KOH and water:

Based on your $\Delta T$ , is the reaction endothermic or exothermic? Explain:			
Conclusions: (Summarize your results here and discuss possible errors that may have occurred during			
the testing.)			