Name:	Period:	Seat#:
Try these problems. If you can DO them, check the box (). YOURSELF about what you need to study to succeed at these	•	do them, write some notes TO
Exothermic & Endothermic When a solution of NaOH is neutralized by a solution of	of HCl, the solution	gets very hot.
Is the water in the solution the system or the surrounding	ngs?	
Add "heat" to this molecular equation: HCl(ac	q) + NaOH(aq) -	\rightarrow NaCl(aq) + H ₂ O(l)
Draw the Potential Energy curve for this reaction.		
PE		
Time		
Calorimetry How much energy does it take to heat 150. grams of alu The specific heat of aluminum is 0.900 J/g·°C. (Show)		1 25 °C to 150. °C?

If 375 J of energy is added to 25.0 mL of water at 20.0 °C, what is the final temperature of the water? The specific heat of water is $4.18 \text{ J/g} \cdot ^{\circ}\text{C}$. (Show your work!)