Name: _	Class: Date: ID: A
heat of solution dry lab	
Problem	
1	You are investigating an unmarked container of chemicals. You have been told the formula weight of this chemical is 103.690 grams/mole.
	In the lab, you dissolve 8.70 grams of a chemical in 141.70 grams of water. The water in your calorimeter starts out at 24.40 °C, and after mixing, ends up at 15.02 °C.
	Please calculate the molar enthalpy of solution, ΔH_{soln} .(kj/mol)
	For full credit, you must use the proper + or - signs in the following, and you must show your work
	[1 pt] Joules added to (+) or removed from (-) the water:J
	[2 pts] $\Delta H_{soln} = \underline{\qquad} (kJ/mol)$

[1 pt] Is this exothermic or endothermic? Please circle correct term.