

Chemistry 30: Hess's Law Pre-Lab Quiz

Name _____ Date _____ Score _____ / 5

1. $\text{NaOH}_{(s)}$ is deliquescent. What does this mean?
2. Name the two processes are you putting the $\text{NaOH}_{(s)}$ through in this lab.
_____ and _____
3. This lab has no instructions about making the initial temperature of the water used come to some predefined temperature. Why do you think it is all right just to take the water out of the tap and go with it?
4. This reaction is a classic acid base neutralization. For any acid or base, fill in the generic answers for products

Acid + Base $\rightarrow$ _____ + _____
5. If the products have less potential energy than the reactants, then the reaction will _____ (gain or release) thermal energy.