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~~Chapter 6 thermochemistry 1 34~~

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Section 6.2 Enthalpy and Calorimetry Enthalpy is a thermodynamic quantity that accounts for heat flow

during the course of a chemical reaction Equals the energy contained by the system as well as the

pressure/volume work done on or by the system: $H = E + PV$

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CHAPTER 6: THERMOCHEMISTRY 168 6.20 Strategy: The work done in gas expansion is equal to the

product of the external, opposing pressure and the change in volume. $w = -P \Delta V$ We assume that the

volume of liquid water is zero compared to that of steam.

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Section 6.2. Enthalpy and Calorimetry. A 100.0 g sample of water at 90 °C is added to a 100.0 g sample of

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