**Thermochemistry Formula Sheet:**

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| **1st Law of Thermodynamics:**  Endothermic:  Exothermic: | **Internal Energy:** |
| **Work Done By/On a Gas:**  Work done by the system:  Work done on the system: |  |
| **Specific Heat Capacity**: |  |
| **Molar Heat Capacity:** |  |
| **Heat Capacity:** |  |
| **Calorimetry – Temperature Change:** |  |
| **Calorimetry – Phase Change:** | H2O:  H2O: |
| **Final Temperature of a Mixture:**  **TA** 🡪 Initial Temp. of Substance A  **TB** 🡪 Initial Temp. of Substance B | **Note:** This equation will work if there are no phase changes. |
| **Coffee Cup Calorimeter:** |  |
| **Enthalpy Change:** |  |