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**Hot and Cold Water Lab**

**Purpose**

* To determine experimentally the final temperature of a hot and cold water mixture

**Materials**

* Room temperature water
* Hot water
* Coffee cup calorimeter
* Graduated cylinders
* **Thermometer**

**Procedure**

* Measure 80.0 mL of hot water
* Take the temperature of the water
* Place into a coffee cup calorimeter
* Measure 50.0 mL of room temperature water
* Take the temperature of the water
* Pour the room temperature water into the hot water
* Stir and take the final temperature of the mixture

**Observations**

|  |  |
| --- | --- |
| **Hot Water** | **Cold Water** |
|  |  |

**Calculations**

**Conclusion**

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