

Laboratory Report Guideline - Heat Capacity

1. **Cover Page** – Title of the Report, Name, Partner's name, Date, TA name

2. **Data**

table with the type, sample mass, sample ΔT , H₂O mass, and H₂O temperature change (ΔT) for each measurement (at least two per sample).

3. **Calculation**

A description and sample calculation for one of the measurements.

4. **Results and Discussion**

A table containing the type, calculated specific heat, literature specific heat and the percent difference.

A table containing the class data for each sample type and the average and standard deviation. This can all be in one table

discussion of how the results compare to the literature values

discussion of general errors.

5. **Conclusion**

give an overall summary of the experiment
answer the questions

6. **References**

Reminder: be sure not to use pronouns and make sure all your data and calculations have units, appropriate significant figures!!