

Name: ADate: 8-31-16Coach's Name Ashli Fureri**DATA**

Make sure to use the correct number of significant figures and units when you record the measurements. The total points of DATA section is 20 points. One point will be deducted for each missing units or incorrect number of significant figures or missing entry or incorrect measurement.

Part A: Basic Measurement**Length**

The length of a test tube

9.70 cm**Temperature**

Temperature of water

20.5 °C**Mass**

Mass of 1 tablespoon of salt

3.33g**Part B: Density****Density of water**

Temperature of water

31.1 °C

— Volume of water

10.0 mL

Mass of a dry 10-mL cylinder

7.17g

— Mass of water + 10-mL cylinder

17.15g**Density of chocolate**

Sample Number	1	2	3
Mass of chocolate	3.21g	1.99	3.11
Volume of water	50.0 mL	50.0 mL	50.0 mL
Volume of water + chocolate	51.0 mL	52.0 mL	53.0 mL

CHEM 1451 Lab Week 02 Measurements Prelab and Data

Name: Ashli Fueri Date: 8-31-16

Coach's Name Ashli Fueri

DATA

Estimating the thickness of aluminum foil

Sample Number	1	2	3
Length	5.30cm	6.01cm	5.01cm
Width	5.01cm	5.10cm	5.01cm
Mass	0.10g	0.12g	0.08g

Part C: Determine the Accuracy and Precision of the Medical Syringe

Temperature of water 20.8°C

Sample Number	1	2	3
Volume of water	10.01mL	10.01mL	10.01mL
Mass of water	9.70g	9.68g	9.63g