"PHAT" FAT LAB   Name: _____

DATA TABLE FORMAT _____/5
☐ Table(s) labeled sequentially as Tables (i.e. as Table 1… Table 2…).
☐ Two data tables are neatly constructed, organized, and make good use of space. Tables do not break across a page.
☐ Specific title is included for each table. The title indicates what data is presented. Table title is NOT the lab title.
☐ Logical set-up of columns and rows with headings.
☐ Metric units for each piece of data are clearly and correctly identified (may be done in heading).

RAW DATA COLLECTION TABLE _____/4
☐ Correct measurements of total liquid volume (within 1 mL of values provided).
☐ Correct measurements of height of fat (within 1 mL of values provided).
☐ Measurement uncertainty for both MV and RV is noted and correct (+/- 0.05mL), may be done in heading.
☐ Data is measured to a consistent, correct precision for the tool used (hundredths); decimal points align.

DATA PROCESSING TABLE _____/8
☐ Correct calculation of mL of fat in sample (within 1 mL of values provided).
☐ mL of fat in sample is calculated to a consistent, correct precision (hundredths); decimal points align.
☐ Correct calculation of grams of fat in sample (within 1 g of values provided).
☐ g of fat in sample is calculated to a consistent, correct precision (hundredths); decimal points align.
☐ Correct calculation of expected grams of fat (within 1 g of values provided).
☐ Expected g of fat in sample is calculated to a consistent, correct precision (whole #).
☐ Correct calculation of % difference (correct according to your measurements)
☐ % difference is calculated to a consistent, correct precision (whole #).

Date Submitted: _____
Monday, 8 October max score – 17/17
Tuesday, 9 October max score – 16/17

17

Type of Meat	Total mL of liquid content	Lower level of fat mL	mL of fat in sample	g of fat in sample	expected g of fat	% difference rounded to whole #
20% beef	4.44	3.70	0.74	0.70	4	141
10% beef	4.50	4.25	0.25	0.24	2	158
7% beef	5.40	5.15	0.25	0.24	1	123
7% turkey	6.95	6.40	0.55	0.52	1	63
7% chicken	9.05	8.68	0.37	0.35	1	96
1% turkey	4.40	4.20	0.20	0.19	0	200

*this is not a properly formatted and complete data table; it is provided for you to check your answers, not as a model.