Assessment: Percent Change Name _____

The average percent change can be calculated in two ways:

Method A: Find the average of the percent change.

Method B: Find the percent change of the average weight before and after immersion for your painted and unpainted samples.

Answers will vary. Check that student calculations are correct.

1) Do you think the average percent change will be the same using the two methods? Why or why not?

Students might reason about order of operations or fractions.

Use the table below for questions 2 and 3.

Sample	Dry Weight*	Wet Weight*
1	7.2	9.2
2	7.8	10.7

2) Use Method A to find the average percent change of the data in the table below. Make sure to show your calculations. Round to the nearest whole percent.

Sample 1: 28% Sample 2: 37%

3) Use Method B to find the percent change of the average weight before and after immersion for your painted and unpainted samples. Make sure to show your calculations. Round to the nearest whole percent.

Sample 1: 28% Sample 2: 37%

4) Compare your answers in problems 2 and 3. Are they different? Why do you think this happened? Answers may include fractions, averages, order of operations, ratios.