

Name: _____ Date: _____ Per: _____

Title: Gum Lab

Objective: What happens to the mass of gum as it is chewed?

+ Practice for:

- finding volume
- measuring mass
- percents
- graphing

Materials: Triple Beam Balance metric ruler
1 Piece of Gum

Procedures:

1. Find the volume of your gum. Show work and record data in "Observations."
2. Find the mass of your gum with the wrapper on. Record data in "Observations."
3. Open the gum and start chewing! **SAVE THE WRAPPER! KEEP GUM IN MOUTH!**
4. Find the mass of your gum every minute for ten minutes. Take the gum out of your mouth and place it on the wrapper on the balance to find the new mass. Record data.
5. Find the percent remaining after each minute by dividing the new mass by the original mass. Record data in "Observations."
6. Record the final percents for each brand of gum (get this data from your other team members).
7. Answer conclusion questions.

Hypothesis: *(What do you think will happen to the mass of the gum?)*

Observations:

Gum Brand: _____

Calculate the Volume: length x width x height or $\pi r^2 h$ for a cylinder.

Show Your Work & circle your answer!