Partner's Name:								
Bubble Gum Lab Problem: What happens to the	mass of gum as we chew it over time?							
Observations: Write down observations about each brand of gu	ım.							
Qualitative Observations	Quantitative Observations							
Hypothesis(Ifthen):								

Name:

## Procedure:

- 1. Using the wrapper as a weigh paper, weigh both pieces of bubble gum separately . Record the masses.
- 2. Chew bubble gum for 30 seconds.

The Scientific Method: Bubble Gum Lab

- 3. Using the wrapper as a weigh paper, determine the mass of each bubble gum separately. Record the mass.
- 3. Repeat step #2 until each bubble gum has been chewed for 5 minutes.
- 4. Graph the results of your findings.
- 5. Evaluate your hypothesis to see if it was correct.

## Data Collection:

Time	0:00	0:30	1:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00
Mass of Gum A											
Mass of Gum B											

## Part II:

1. On a piece of graph paper, construct a line graph. Graph your data for each trial of Gum A and Gum B. (You will have two lines on your graph). Make sure to label each axis and give your graph a descriptive title.

## Lab Analysis Questions

- 2. Was your hypothesis correct? Why or why not?
- 3. Which brand of gum lasts the longest? Explain how you know this:
- 4. What were the constant variables in this investigation (what did you both do that was exactly the same)?
- 5. What was the independent variable in this investigation?
- 6. Where is the independent variable plotted on a graph?
- 7. What is the dependent variable in this investigation?
- 8. Where is the dependent variable plotted on a graph?
- 9. Did we have a control group in this experiment? If so then what was it? If not what would it be?
- 10. List 3 things that may affect or did affect the outcome of this experiment
- a.
- b.
- C.
- 11. Thinking about your answers to number 8 above, how would you improve this lab? (Name some procedural steps/controls/etc. that you would use to make this a more controlled lab)