

Lab #2: Oreo Cookie Challenge

Name: _____ Date: _____ Per: _____



Purpose/Problem: The purpose of this experiment is to see if double stuffed Oreos are really double stuffed.

Hypothesis: (in a complete sentence, state your educated guess...provide evidence for you thinking)

Materials:

- 1 double stuffed Oreo
- 1 regular stuffed Oreo
- Balance

Designing the Experiment:

Describe the Control Group:

Describe the experimental group

Independent Variable

Dependent Variable

Procedure:

1. Gather the materials.
2. Carefully twist off one side of the cookie from both Oreos.
3. Measure the mass of the cookie with no filling on it for both cookies using the balance. Record in the data table.
4. Measure the mass of each cookie with the filling on it using the balance. Record in the data table.
5. Calculate the mass of stuff by subtracting the mass from the cookie + stuff mass.
6. Get results from 4 other groups and record in the data table.
7. Using the data table, graph your results as a bar graph.

Data Table:

Type of Cookie	Trial/group #	Mass of cookie (g) grams	Mass of cookie + stuff (g)	Calculated mass of stuff (g)
Regular	1			
	2			
	3			
	4			
	5			
Double Stuffed	1			
	2			
	3			
	4			
	5			

Graph: Create a double bar graph comparing the results

Title: _____

[illegible]

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Conclusion: