



Name \_\_\_\_\_  
Name \_\_\_\_\_

## OREO COOKIE LAB

**Research Question:** Do double stuffed Oreo cookies really have double the amount of white filling?

**Hypothesis:** If a double stuff Oreo really has double the filling, then the **mass** of the filling will be twice that of a regular Oreo cookie.

### **Variables:**

Independent variable: (what you change) \_\_\_\_\_

Dependent Variable: (what you measure) \_\_\_\_\_

Constant Variable: (what stays the same for both) \_\_\_\_\_

### **Data: Your Group's Data:**

**Data Table #1**

Type of Cookie	Mass of weight boat (g)	Mass of weight boat AND whole cookie with filling (g)	Mass of chocolate cookie sides (g)	Calculate the Mass of filling (g)
Regular				
Double stuffed				

### **Class Data: Collect 10 total pieces of data from classmates for MASS OF FILLING**

**Data Table #2**

Type of Cookie	1	2	3	4	5	6	7	8	9	10	Average Mass of Filling (g)
Regular											
Double stuffed											

### **Claim (C) & Evidence (E): Make a claim, then give evidence – you do not need to give an explanation.**

Please do this on the backside of paper.

**For a level 4 (exceeds standard):** Make a graph that would support your claim.