

Group Members:

Lab 1: Designing and Conducting an investigation into Oreos

**YOU MAY NOT EAT ANYTHING IN THE LAB
YOU MAY NOT REMOVE ANY ITEMS FROM THE LAB**

Possible equipment:

Up to 5 classic Oreos, up to 5 Double Stuf Oreos, up to 5 classic Kaleidos (Kroger brand), up to 5 Double Filled Kaleidos (Kroger brand).

A spatula, paper towels, weighing papers, weighing boats, a ruler

Beakers of varying sizes

Access to a top pan balance

Access to a tea kettle

Question your group has chosen to answer: _____

Define Independent variable _____

What is the independent variable (IV) for your experiment? _____

Define Dependent variable _____

What is the dependent variable (DV) for your experiment? _____

Define Control variable _____

State at least 3 control variables for your experiment _____

What is a hypothesis? _____

State the hypothesis for your experiment _____

Your chosen **Equipment** (list including sizes where applicable)

Your **Method** (a numbered list of instructions to perform your experiment)

Results Table (put IV in 1st column, DV in 2nd column)

Data Processing (calculate averages!)

Graph: Clip your graph to the packet

Conclusion (was your hypothesis correct? If not, rewrite your hypothesis)

Evaluation

What was difficult about getting accurate results?

How would you change your method to get more accurate results?

How could you make your results more reliable?