## **<u>Lab 1:</u>** 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).

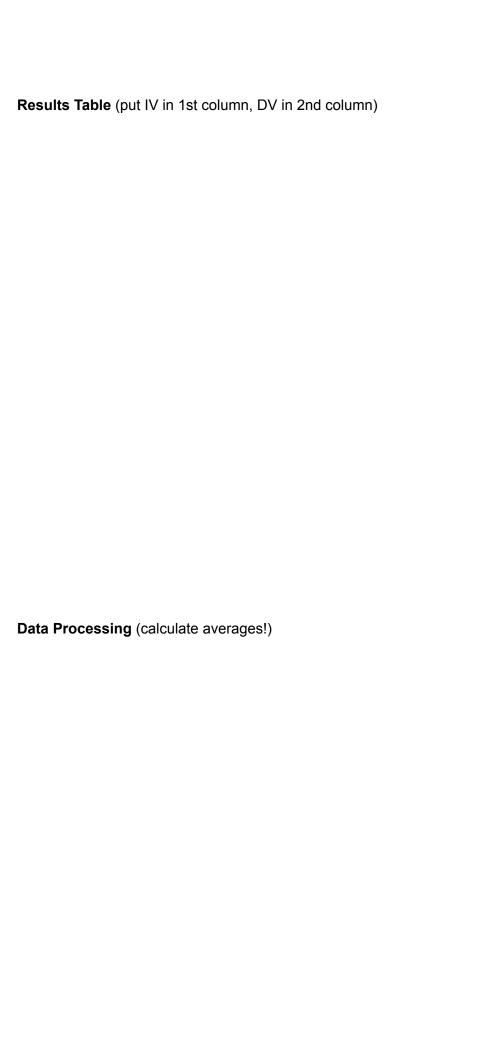
A spatula, paper towels, weighing papers, weighing boats, a ruler Beakers of varying sizes

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 <b>Equipment</b> (list including sizes where applicable)
Your <b>Method</b> (a numbered list of instructions to perform your experiment)



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?