BUBBLE-OLOGY LAB SHEET

Name: _____

Lab Partner: _____

Testable Question: _____

Hypothesis: If the _____is changed when blowing a bubbles, then the _____

_____.

Identify Variables:
- <u>Independent Variable</u> = _____
- <u>Dependent Variable</u> = _____
- <u>Constants (list at least 2)</u> = _____

Conduct the Experiment and Collect DATA in the TABLE below:

EXPERIMENTAL GROUP 1	BUBBLE DIAMETER	EXPERIMENTAL GROUP 2	BUBBLE DIAMETER
Bubble 1 (cm)		Bubble 1 (cm)	
Bubble 2 (cm)		Bubble 2 (cm)	
Bubble 3 (cm)		Bubble 3 (cm)	
Bubble 4 (cm)		Bubble 4 (cm)	
Bubble 5 (cm)		Bubble 5 (cm)	
Bubble 6 (cm)		Bubble 6 (cm)	
Bubble 7 (cm)		Bubble 7 (cm)	
Bubble 8 (cm)		Bubble 8 (cm)	
Bubble 9 (cm)		Bubble 9 (cm)	
Bubble 10 (cm)		Bubble 10 (cm)	

Student #1 completes trials for bubbles 1-5

Student #2 completes trials for bubbles 6-10

Analyze the Data:

Calculate the average bubble size for each series of trials.

_____cm = average diameter for bubbles for trials 1-5 in EXPERIMENTAL GROUP #1

_____cm = average diameter for bubbles for trials 6-10 in EXPERIMENTAL GROUP #1

_____cm = average diameter for bubbles for trials 1-5 in EXPERIMENTAL GROUP #2

_____cm = average diameter for bubbles for trials 6-10 in EXPERIMENTAL GROUP #2

Draw Conclusions:
- Circle one: Our hypothesis was …   supported   not supported

Reflect:
- Describe 2 possible experimental errors that could have led to variations in your results.
  1. _____
  2. _____