



Coin Lab



What You Need:

- 1 each: penny, dime, nickel, quarter
- 1 eye dropper
- 1 beaker of water
- paper towels

Safety:

There are no safety cautions for this lab. However, be careful if you have a **glass** eye dropper!

What to do:

1. Place a paper towel on your table and set the four coins on top of the towel.
2. **Slowly** add drops of water to the penny. Hold the eye dropper no more than 20 centimeters above the coin. Count how many drops you have to add before the water slides off the coin. **Record one drop less than this number.**
3. Repeat Step 2 for the other three coins.

What did you learn?

1. How did the size of the coins affect the numbers of drops the coin could hold?
2. Was there an **anomaly** in this experiment? What might be one explanation for this anomaly?
3. How could you improve this experiment?
4. What other experiment could you conduct with the same materials?

Title: _____

Hypothesis:

Experimental Design:

Levels	IV
Trials	

DV
Constants: (1) (2)
(3) (4)
Control:

Data Table:

IV	DV	Mean	Range

Graph:



Results Summary:

Conclusion:

