



Glue this side into your notebook



Don't Drown Lincoln!



I can't swim! ...

Research Question: How many drops of water can you get on a penny?

Hypothesis:

If water is dropped one drop at a time on a penny, **then** the total number of drops will be _____.

With you partner, determine how you will begin conducting this observational experiment.

Data:

	Trial 1	Trial 2	Trial 3	Average (mean)
Number of Drops				

Share your average with the teacher for the class data set.

Do you think you had enough trials? Why or why not?

Why is it important to find the average of your data?

Data Analysis: What would be the best kind of graph to compare our data? Why? What would be on the x-axis? What would be on the y-axis?

Do a quick sketch below of what a graph might look like for this data.

Conclusions: Interpret the data by answering the following questions.

a. Why did some students get such different results?

b. Why is it important for scientists to be able to find similar results?

Quick Write: Write down everything you know about experiments and how to make sure they are accurate, unbiased, and reproducible. Think about variables, trials, how scientists make sure they have good studies, etc.