PENNY DROP LAB

EXPERIMENTAL QUESTION: Which side of a penny will hold more water?

MATERIALS: Penny, dropper bottle with water, paper towel

PROCEDURE:

- 1. Observe penny then place on paper towel on flat surface.
- 2. Fill in your prediction/hypothesis.
- 3. Drop water on the HEADS side of the penny and COUNT the number of drops. Be sure to hold the eyedropper straight up and down.
- 4. Record number of drop as Trial 1 in data chart.
- 5. Dry penny and repeat steps 1-4 FOUR MORE TIMES. Average your results.
- 6. Repeat steps 1-5 for the TAILS side of the penny.
- 7. Fill in the graph (use a bar graph) on the back.

DATA:

TRIAL NUMBER	NUMBER OF DROPS						
	HEADS	TAILS					
1							
2							
3							
4							
5							
AVERAGE add all trials							
avg. = <u>number of trials</u>							

GRAPH (Fill in with data from each trial and the average for HEADS and TAILS):

Number of Drops (***LABEL NUMBERS***)							_ NUMBERS***)						
rops (***LABE							ops (***LABEL						
Number of D							Number of Drops						
HEADS -							- TAILS -						
TRIAL	1	2	3	4	5	Avg.	TRIAL	1	2	3	4	5	Avg.

CONCLUSIONS:

- 1. Which side of the penny held more water? _____ How do you know?
- Was your prediction correct? _____ Do you still agree with your reason? ______
 Why or why not? ______
- 3. Why was it important to keep the eyedropper straight up and down?
- 4. Keeping the eyedropper straight up and down was a **controlled variable**. What were two other variables that were kept the same?
- 5. A good scientist is always thinking about the next experiment he or she is going to do. What is one other related experiment you could do? _____
- 6. What would your new experimental question be?_____