

Name .			
Class _			

1.	Give the date of the penny:	; the full
	diameter of the washer:	_; sketch the
	washer in the space at the right, includi	ng a tracing of
	the thickness.	

2. Complete the table below, using the full name of each item, and the short name to use on the TI-73 (6 letters or less).

Long Name of Item to Test	Short Name

3.	Voltage without the electrolyte (like the potato):

4. Which item produced the highest voltage? _____

5. Which item produced the lowest voltage?

6. As the experiment progressed, did you see any change in the condition of the washer or the penny?

7. Place the data you have collected in the table at the right.

8. How would you compare the items that were tested, from the information shown on the graph?

Item	Voltage

^	Cleated the graph in the energy at the right
	Sketch the graph in the space at the right.
10.	Which of these graphs is most revealing? Why?
11.	Sketch your best graph to date, if you have not done so yet, and label it. Explain why you like it best.
12.	Which item made the best battery? Why do you believe this?
13.	If you are collecting 100 data points every 99 seconds, how many hours, minutes, and seconds will this take?
	hours; minutes; seconds
14.	What appears to be happening to the voltage as time goes on?
15	Evaloin the harizontal lines on the graph if there are any
15.	Explain the horizontal lines on the graph, if there are any.
16.	At what time was the voltage first at its minimum?
	How much did the voltage drop over the time observed?
	When had the voltage dropped half that amount?
	State the rule (equation) shown in Y1 :



20. Complete the table.

Time (minutes)	Voltage
1	
30	
50	
77	
100	
	0.555
1000	
2000	

21.	Check your values in the table above using the Solver option. Explain any disagreement
22.	What is the time that would need to pass so that the voltage is zero?