



Electric Potato

Student name _____

Period _____ Date _____

1.

<u>Method</u>	<u>Voltage (volts)</u>
1 potato, small nail, penny	
1 potato, two small nails	
1 lemon, small nail, penny	
2 potatoes, pennies on left of each, nails on right	
1 potato, large nail, penny	
One potato, one lemon, 1 nail (left), 1 penny (right) on each	

2.

Questions for you to think about:

- Which battery set-up produced the greatest voltage? Explain why this set-up worked so well.
- Which battery set-up produced the least voltage? Explain why this set-up worked so poorly.
- Many people think that the more potatoes used, the greater the voltage produced. This is not the case, instead another factor accounts for the greater voltage produced by the two potatoes versus the one potato. What factors do you think results in the greater voltage with the two potato system? Write your answer on the back of this paper.

