

Name:

Date:

Class:

## Post-Activity Quiz

1. What role does the fruit or vegetable play in the battery?
2. What roles did the metals, e.g. copper penny, aluminum and/or galvanized zinc screw or nail play in the battery?
3. Describe which battery configuration produced the highest power and describe why it produced more power than the other designs.
4. What is the relationship between the output current and the distance between the anode and cathode?
5. Give the definitions of an anode and cathode. Which metals in your experiments were anodes or cathodes?
6. Draw a diagram to illustrate the circuit design that produced the maximum amount of power.



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10. You are given the following data on the relationship between John's test score and the number of hours he studies.

Number of Hours John Studies	John's Test Score
0	75
0.5	80
1.0	85
1.5	90
2.0	95
2.5	100

- What are the independent and dependent variables?
- How are the independent and dependent variables related? (Be precise)