

Name: _____

Date: _____

Ohm's Law II Questions:

1. How long did it take to drain the batteries in the series circuit?

2. How long did it take to drain the batteries in the parallel circuit?

3. Did you observe any other differences between the 2 circuits?

4. How do you calculate the amount of time the bulbs will stay lit if each battery has approx 540 mA (reference: www.energizer.com) (assuming the batteries will run out before the bulbs)?

5. What are the possible reasons that you did not achieve the above theoretical value?

6. Discuss the tradeoffs between time and intensity of the light bulb for each circuit.

7. What would be an appropriate use of each of these circuits?
