

Name _____

Physics 161

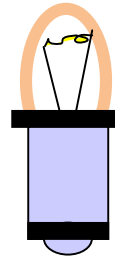
Lab Time _____

Quiz – Batteries and Bulbs

April 1, 2011

- This is a closed book and closed note examination.
- Show all work and thoughts!

1. Given the battery and bulb below, show how you would make the bulb light up. What material would you use?



2. Draw the schematic diagram for the circuit you have drawn above (use the resistor symbol for the light bulb).
3. Label the current before the light bulb as I_1 and the current after the light bulb as I_2 . Circle the correct answer and justify your response.
 - A. I_1 is greater than I_2
 - B. I_1 is equal to I_2
 - C. I_1 is less than I_2