Name: _____
Instructor: _____
Section: _____

Resistor	Resistor Value	Trial-1 R-Value	Trial-2 R-Value	Average
Brown Body				
Blue Body				

Table 1

Color Band Value	Lower Limit	Upper Limit	Calculated Value	Fall in Range?

Table 2

First Slope	Second Slope

Table 3

Questions

1. How well do the resistors obey Ohm's Law ? Explain fully how you know!

2. What is the physical meaning of the slope of the Linear Fit to the data on the Ohm's Law graph? Hint: What are the units of the slope?

3. What is the bulb doing during the kink in the curve?

4. What evidence is there that the light bulb does not obey Ohm's Law?

5. Is there any region where the light bulb obeys Ohm's Law? Why?