

Name: _____

Series and Parallel Circuits

Instructions: Set up a series and parallel circuit using 3 similar bulbs. Take voltage and current measurements to complete the following tables.

Series Circuit

	Voltage	Current
Bulb #1		
Bulb #2		
Bulb #3		
Power Supply		

Parallel Circuit

	Voltage	Current
Bulb #1		
Bulb #2		
Bulb #3		
Power Supply		

Questions:

1. Draw an electronic circuit diagram for the series circuit.

2. For the series circuit, what is true about the voltage that is used by each bulb when compared to the total voltage from the power supply?

3. For the series circuit, what is true about the current that passes through each bulb when compared to the total current at the power supply?

4. Draw an electronic circuit diagram for the series circuit.

5. For the series circuit, what is true about the voltage that is used by each bulb when compared to the total voltage from the power supply?

6. For the series circuit, what is true about the current that passes through each bulb when compared to the total current at the power supply?
