Human Circuits – Reflection

Answer the following for 5 pts each:

* How does the current change when two resistors are in parallel vs. when two resistors are in series? In your answer, describe what you noticed observing your peers acting as electrons or through your own electron experience. Relate these observations to electrons moving through a circuit.
* How does increasing the resistance in a circuit comprised of two resistors in parallel differ from increasing the resistance in a circuit comprised of two resistors in series? In your answer, describe what you noticed observing your peers acting as electrons or through your own electron experience. Relate these observations to electrons moving through a circuit.
* Explain why and how increasing the resistance of a single circuit element (ie, resistor) affects the current. In your answer, describe what you noticed observing your peers acting as electrons or through your own electron experience. Relate these observations to electrons moving through a circuit.
* In the circuit to the right, how many different currents exist throughout the circuit? How can this be? In your answer, describe what you noticed observing your peers acting as electrons or through your own electron experience. Relate these observations to electrons moving through a circuit.

3V

200Ω

100Ω