Prelab for Ohm's Law

Name	Section
1. What is Ohm's Law? Give formula (define terms) a	nd a qualitative explanation.
2. An ideal voltmeter should have a resistance of	
3. Considering your answer above explain and how a vattribute for a voltmeters?	voltmeter is connected, why this is a desirable
4. If I vs V is plotted and the result is a linear relations Please note that we are using the relationship $I=V/R$ (i current is dependent variable).	
If you obtained a slope of 0.001 Ohms ⁻¹ what is the val	lue of the resistor?
5. Go to the following webpage, and use the PhET sim https://phet.colorado.edu/en/simulation/circuit-constru to build a simple circuit that has a battery and a resisto to the circuit to check if the Ohm's Law applies to you the resistance of the resistor). Try with the simulation what would happen if you access with the Battery. Describe what do you see.	ction-kit-dc-virtual-lab r. Then connect the Voltmeter and Ammeter r circuit. (You can click "Values" to display