Ohm's Law worksheet

	Name
1.	The rate of electron flow is measured in (a) amperes (b) volts (c) ohms.
2.	One amp is one per second. A coulomb is electrons.
3.	A is the electric pressure required to produce one ampere of current in a circuit having one of resistance.
4.	Electric pressure (E) is measured in(): the rate of electron flow () is measured in amps (), the(R) is measured in ohms ().
5.	In a circuit, voltage and current are (a) directly proportional, (b) inversely proportional, (c) not proportional.
6.	According to Ohm's Law, what effect will cutting the resistance have on the current?
7.	If the voltage stays the same and the resistance is ¼ of its original, what will happen to the current?
8.	Using your equation for Ohm's Law, answer the following. Current equals divided by
9.	If the power source is set at 6V and R is 2 ohms, the current =
10.	V=5volts, R= 10 ohms, I=
11.	Voltage =times
12.	If the current in the circuit is 7 amps and the resistance is 2 ohms the voltage =
13.	R = 30 ohms, I = 3A, V=
14.	Resistance= divided by
15.	If the power source is 12 V and the flow of electrons is 3A, what is the resistance?
16.	V= 6V, I= 18A, R=