Oh	m's Law worksheet	Name	Per:
1.	The rate of electron flow is measured in (a) amperes (b)) volts (c) ohms.	
2.	Potential difference is measurement of and is symbolized in the ohms law equation as the		
	letter () and the unit symbol (). The rate of electron	on flow is called	and is measured in amp
	(A). The symbol for the flow of electrons in an equation ohms ().	on is (). The	(R) is measured in
2	Voltage = times		
			.0
	According to Ohm's Law, what effect will decreasing the resistance have on the current?		
	in a circuit, voltage and current are (a) directly proportional, (b) inversely proportional, (c) not proportional.		
	Rearrange Ohm's Law to answer the following; Curren	•	led by
7.	If the power source is set at 6V and R is 2 ohms, the cu	rrent =	
8.	V=5volts, R= 10 ohms, I=		
9.	If the voltage stays the same and the resistance is 1/4 of i	its original, what will happ	en to the current?
10.	If the current in the circuit is 7 amps and the resistance	is 2 ohms the voltage =	
11.	R= 30 ohms, I= 3A, V=		
12.	Resistance = divided by	·	
	If the power source is 12 V and the flow of electrons is		?
	V= 6V, I= 18A, R=		
	tension Questions:		
	A is the electric pressure required to	o produce one ampere of c	urrent in a circuit having one
13.	of resistance.	b produce one ampere of e	arrent in a circuit having one
16.	One amp is one per second. A cou	llomb is	electrons.
	m's Law worksheet		Per:
	The rate of electron flow is measured in (a) amperes (b)		10
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	letter () and the unit symbol (). The rate of electron	on flow is called	and is measured in amp
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	ohms ().		
	Voltage = times		
4.	According to Ohm's Law, what effect will decreasing t	he resistance have on the c	surrent?
5.	In a circuit, voltage and current are (a) directly proportional, (b) inversely proportional, (c) not proportional.		
6.	Rearrange Ohm's Law to answer the following; Curren	t equals divid	led by
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	R= 30 ohms, I= 3A, V=	ε —	
	Resistance = divided by		
	If the power source is 12 V and the flow of electrons is		7
	V= 6V, I= 18A, R=	371, What is the resistance.	•
	tension Questions:		
15.	A is the electric pressure required to of resistance.	o produce one ampere of c	urrent in a circuit having one
16		-l	-1t
10.	One amp is one per second. A cou	HOITIO IS	electrons.