LESSONS CIRCUITS / Ohm's Law

Worksheet

NAME		DATE	CLASS			
	Complete the question, or put a check \checkmark in the \Box next to the correct answer.					
	1. What is the voltage value the multimeter gets from the battery?					
	2. What is the resistance value the mul	timeter gets from the	first resistor?			
	3. What is the current value the multim	t value the multimeter gets from the first circuit?				
	4. Insert the values above in the correct Do your results demonstrate Ohm's	t places in the Ohm's Law?	Law equation V=IR.			
	5. What is the resistance value the mul	timeter gets from the	second resistor?			
	6. What is the current value the multim	eter gets from the sec	cond circuit?			
	7. Insert the values from the second cire equation V=IR. Do your results demo	rcuit in the correct pla onstrate Ohm's Law?	ices in the Ohm's Law			
	8. What is the resistance value the mul	timeter gets from the	third resistor?			
	9. What is the current value the multim	eter gets from the thir	rd circuit?			
	10. Insert the values from the third circu V=IR. Do your results demonstrate C	it in the correct place Dhm's Law?	s in the Ohm's Law equation			
			mant value of the simult had			
	11. If you substituted a 1000 Ohm resist	or, what would the cu	rrent value of the circuit be?			
	12. If you substituted a 1.5 Volt battery f resistor described in question 8, what	or the 9 volt battery in at would the current v	a the circuit with a 1000 Ohm alue of the circuit be?			

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	13. If you had a circuit with close as possible to 3 a .33 Ohms, 3 Ohms or 2	13. If you had a circuit with a voltage of 9 volts, and you wanted it to have a current as close as possible to 3 amps, what kind of fixed resistor would you add to the circuit: .33 Ohms, 3 Ohms or 27 Ohms?				
	□ .33 Ohms	□ 3 Ohms	□ 27 Ohms			
	14. If you had a circuit with the value of the fixed re	□ 3 Ohms a 9 volt battery, and the esistor?	□ 27 Ohms current was 1 milliamp, v	what would be		