Semester 2 Final Review 3

 $(\ensuremath{\underline{1}})$ This is a preview of the draft version of the quiz

Started: May 14 at 9:30am

Quiz Instructions

Round to the hundreths place.

A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 Ohm and 1 Ohm, in parallel. What is the combined resistance of the 4 and 1 Ohm resistors in
parallel? Ohms

Question 2	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 O and 1 Ohm, in parallel. What is the total equivalent resistance of the circuit? Ohm	ıhm s

Question 3	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resis and 1 Ohm, in parallel. What is the current through the battery? Amps	stors, 4 Ohm

Question 4	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 Or and 1 Ohm, in parallel. What is the current through the 2 Ohm resistor? Amps	าทา
Question 5	1 pts

A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 Ohm and 1 Ohm, in parallel. What is the current through the 4 Ohm resistor? Amps

Question 6	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 O and 1 Ohm, in parallel. What is the current through the 1 Ohm resistor? Amps	'nm

Question 7	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two res	istors, 4 Ohm
and 1 Ohm, in parallel. What is the voltage drop across the 4 Ohm resis	stor? Volts

1 pts

Question 8	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 C and 1 Ohm, in parallel. What is the voltage drop across the 1 Ohm resistor? Volt)hm s
Question 9	1 pts

A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 Ohm and 1 Ohm, in parallel. What is the voltage drop across the 2 Ohm resistor? Volts

Question 10	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 Or and 1 Ohm, in parallel. What is the voltage drop across the battery? Volts	າຫ

Question 11	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 and 1 Ohm, in parallel. What is the power output of the 4 Ohm resistor? Watts	Ohm

Question 12	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 C and 1 Ohm, in parallel. What is the power output of the 1 Ohm resistor? Watts)hm

Question	13
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A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 Ohm and 1 Ohm, in parallel. What is the power output of the 2 Ohm resistor? Watts

Question 14	1 pts
A 14 Volt battery is connected to a 2 Ohm resistor in series then two resistors, 4 O and 1 Ohm, in parallel. What is the power output of the battery? Watts	۱hm

Question 15	1 pts
An electron and a proton are two meters apart and are traveling toward one anoth When the electron and proton are 1 meter apart, their speeds will have	er
remained the same	
increased	

1 pts

decreased

	1 pts
When a toy car goes through a loop de loop, what t of the loop? Choose all that apply. Assume no frict	ypes of energy does it have at the top tion.
gravitational potential	
elastic potential	
kinetic	





remain the same

decrease

increase



Question 20	1 pts
A roller coaster of mass 500 kg begins at rest at the top of a 20 meter high hill and begins to roll. Assuming no friction, what will be the velocity of the roller coaster a bottom of the hill? $g = 10 \text{ m/s/s}$	l just t the
m/s	

Question 21	1 pts
By what factor does the electrostatic force decrease when the distance between tw charges is doubled?	/0
1/4	
0 1/2	
0 1/5	

0 1/9

0 1/3

Question 22	1 pts
By what factor does the electrostatic force decrease when the distance between tw charges is tripled?	wo
0 1/5	
0 1/4	
○ 1/9	
○ 1/3	
○ 1/2	

Question 23	1 pts
By what factor does the electrostatic force increase when the distance between two charges is halved?	0
○ 9	
O 4	
O 3	
○ 2	

Question 24	1 pts
A mass of 4 kg is acted upon by a net force of 15 Newtons for 3 seconds. What	is the

change in momentum of the mass? Kg*m/s

Question 25	1 pts
A mass of 4 kg is acted upon by a net force of 15 Newtons for total impulse on the mass? Ns	3 seconds. What is the

		Not saved	Submit Quiz
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