Chapter 20 Electri	city	
and Ohm's (pages 604–607) This section discusses	2 Electric Cur Law electric current, resistance how voltage, current, and	e, and voltage. It also uses
Reading Strate	PGY (page 604)	
in the table below. A incomplete, write wl on this Reading Stra	fter you read, if your pred hat electric current actual	lly is. For more information d Study Skills in the Skills
	Electric Current	
Electric Current	Electric C	
Probably Means	Actually I	Means
Electric Curre	nt (page 604)	Means
Electric Curre	nt (page 604)	
Electric Curre	nt (page 604) urrent?	
Electric Currel 1. What is electric concent 2. Complete the foll Type of Current	nt (page 604) urrent? owing table about electri	
Electric Curre	nt (page 604) urrent?	
Electric Currel 1. What is electric concentrations 2. Complete the following	nt (page 604) urrent? owing table about electric	ic current.

6. Is the following sentence true or false? Metals are good conductors because they do not have freely moving electrons.

Name	Class	Date		
Chapter 20 Electricity				
Match each material to the category	of a conductor or insulate	or.		
Material	Catego	ry		
7. Copper	a. cond	uctor		
8. Plastic	b. insul	ator		
9. Rubber				
10. Silver				
11. Wood				
Resistance (page 605)				
12. Explain why the current is reaction a conductor.		e through		
a conductor.				
13. Circle the letter of each factor	that affects a material's	s resistance.		
	b. its temperature			
· ·	d. its thickness			
14. What is a superconductor?				
	_			
Voltage (page 606)				
Match each term to its definition.				
Definition	Term			
15. A device that converts		of charge		
energy to electrical ene	D. Volta	ge		
16. Requires a complete lo	2 C. Datte	ery		
17. The difference in electronerry between two plants				
electric field	iaces in an			
18. Is the following sentence true				
sources are batteries, solar ce	lls, and generators			
Ohm's Law (page 607)				
19. Is the following sentence true				
the voltage in a circuit equals resistance.	the product of the ener	gy and the		
20. Doubling the voltage in a circ	— cuit doubles the current	if		
	constant.			
21. Is the following sentence true				
in a circuit will halve the current if voltage is held constant.				