Name:		/ 9
Chapter 12.2 Homework Conceptual Physics	Parent Signature	:
Each numbered question is worth one point	nt unless otherwise noted.	
<b>Reviewing Concepts</b>		
8. The direction of electric current in a circ battery and toward the		end of the
9. How are voltage and energy related?		
10. A voltage of 1 volt means 1 of work in 1 second.	of	does 1
11. Explain how a battery in a circuit is si	imilar to a water pump.	
12. What are the differences between a mu	ultimeter, a voltmeter, and a	n ammeter?
13. Suppose you have a closed circuit cor a break in the circuit before using an amm	-	

## **Solving Problems**

<ol> <li>What voltage would the electrical meter show in each of the diagrams at bottom of page 311?</li> <li>a.</li> </ol>
u.
b.
3. Which of the diagrams at top of page 311 shows the correct way to measure current in a circuit?
4. A portable radio that runs on 1.5-V batteries needs 6 V to work properly. How many batteries does it use?