**PFC2 Chapter 13 Section 1 Guided Reading**

1. What is a series circuit?
2. In a string of holiday lights wired in a series circuit, removing one bulb causes the entire string to go out. However, if a bulb burns out but remains in the circuit, the rest of the bulbs will still light up. How does this work?
3. Write the equation for adding resistances in a series circuit. Label each variable in the equation as shown on page 317.
4. Do the Your Turn problems on page 317. Show your work. Check your solutions against the answers provided at the end of the chapter.
5. Define *voltage drop*.
6. State Kirchoff’s voltage law.
7. Do the Your Turn problems on page 320. Show your work. Check your solutions against the answers provided at the end of the chapter.