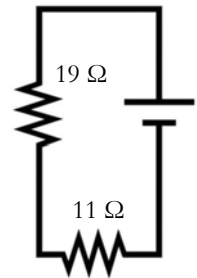
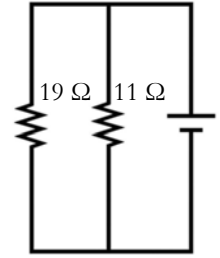


Extra Practice Problems for Chapter 15

1. What is the effective resistance of the circuit on the right?
2. If the battery's potential difference is 9.0 V, what is the current in the circuit?
3. What is the power that the circuit draws?
4. If the 19- Ω resistor is a light bulb and it burns out, will the device represented by the 11- Ω resistor still work in the circuit?
5. What is the effective resistance of the circuit on the right?
6. If the 19- Ω resistor is a light bulb and it burns out, will the device represented by the 11- Ω resistor still work in this new circuit?
7. If the battery in this circuit has a potential difference of 12.0 volts, which of the following fuses should be used to protect the circuit: 0.10 A, 0.30 A, or 0.60 A?



8. What is the effective resistance of the circuit on the right?
9. If the power that circuit needs is 15.0 W, what must the current be?
10. For question 9, what must the voltage of the battery be?

