



"I told you nylon carpets were a mistake."

### Questions on Circuits FEB 13

1. The bridge between a negative area and a positive area is called a \_\_\_\_\_
2. If there is no resistance, would electrons move fast or slow across the answer to #1?  
\_\_\_\_\_
3. What might happen to the bridge or circuit) if the electrons go across too quickly?  
\_\_\_\_\_  
\_\_\_\_\_
4. If the electrons are used to heat a filament in a bulb, what will the bulb do?  
\_\_\_\_\_
5. When we limit the number of electrons that can cross over the circuit, what are we giving it? \_\_\_\_\_
6. When electrons move through a circuit if they collide with an atom along the way, this slows them down or even \_\_\_\_\_
7. When #6 happens, what happens to the electrons? \_\_\_\_\_  
\_\_\_\_\_
8. Explain how an electric circuit works by comparing it to a garden hose. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
9. In an electrical circuit—do electrons move from the positive pole to the negative pole or from the negative to the positive? \_\_\_\_\_
10. What kind of energy does a light bulb change electrical energy into? \_\_\_\_\_  
and \_\_\_\_\_ energy.