

Short Circuit

- All electrical charge wants to flow to the _____.
- The ground is a source of infinite charge. **True or False? (Circle one.)**
- Two bulbs connected in series produce _____ light than two bulbs connected in parallel to the same power supply. (**more or less**)
- A circuit in which all parts are connected in a single loop is called a(n)
 - open circuit.
 - series circuit.
 - parallel circuit.
 - perpendicular circuit.
- Sketch two bulbs connected in parallel to a battery.

- Thin wires have _____ resistance than thick wires. Short wires have _____ resistance than long wires.
- In the equation for Ohm's law, I stands for _____, V stands for _____, and R stands for _____.
- Electric power is expressed in
 - ohms.
 - volts.
 - amperes.
 - watts.
- Light bulbs may be labeled "100 W" or "40 W." This describes
 - how long they burn.
 - how they are disposed of.
 - how fast the light travels.
 - how bright they glow.
- What do electric unit measures electrical usage in a home?
 - watt
 - joule
 - kilowatt-hour
 - ampere