Quick Quiz 😞 ^ ? ?

- Draw a schematic for a circuit that consists of three lamps powered by a battery.
- For each room in your home, make a schematic drawing showing how the lamps and switches controlling them are connected together.

Summary

Summary of Chapter 1:

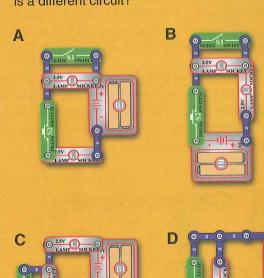
- 1. The electric current is a measure of how much electricity is flowing in a wire, and is expressed in Amperes.
- The voltage is a measure of the electric pressure exerted into a wire or circuit by a battery or other power source, and is expressed in volts.
- 3. Switches are used to turn on or turn off the flow of electricity in a circuit.
- 4. A light bulb converts electricity into light.
- 5. Most electronic products have components mounted on circuit boards with the wires literally printed on the board surface.
- 6. Electrical circuits are all combinations of series and parallel configurations.
- 7. A short circuit is a no-resistance path across a power source, and causes damage to components and batteries.
- 8. Solder is a special metal that is melted to make solid electrical connections.
- 9. Schematics are engineering drawings of circuits using symbols.

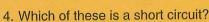
Quiz

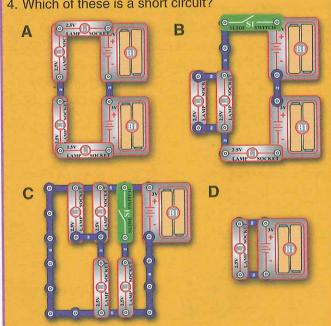
Chapter 1 Practice Problems

- The flow of electricity is measured in _____
 A. gallons B. minutes C. amperes D. volts
- 2. To turn on a switch, you _____ it.

 A. voltage B. open C. pressurize D. close
- 3. Three of the choices below are the same circuit with the parts arranged in different ways. Which choice is a different circuit?







Answers: 1. C, 2. D, 3. D, 4. C