

Diagram an electrical circuit.

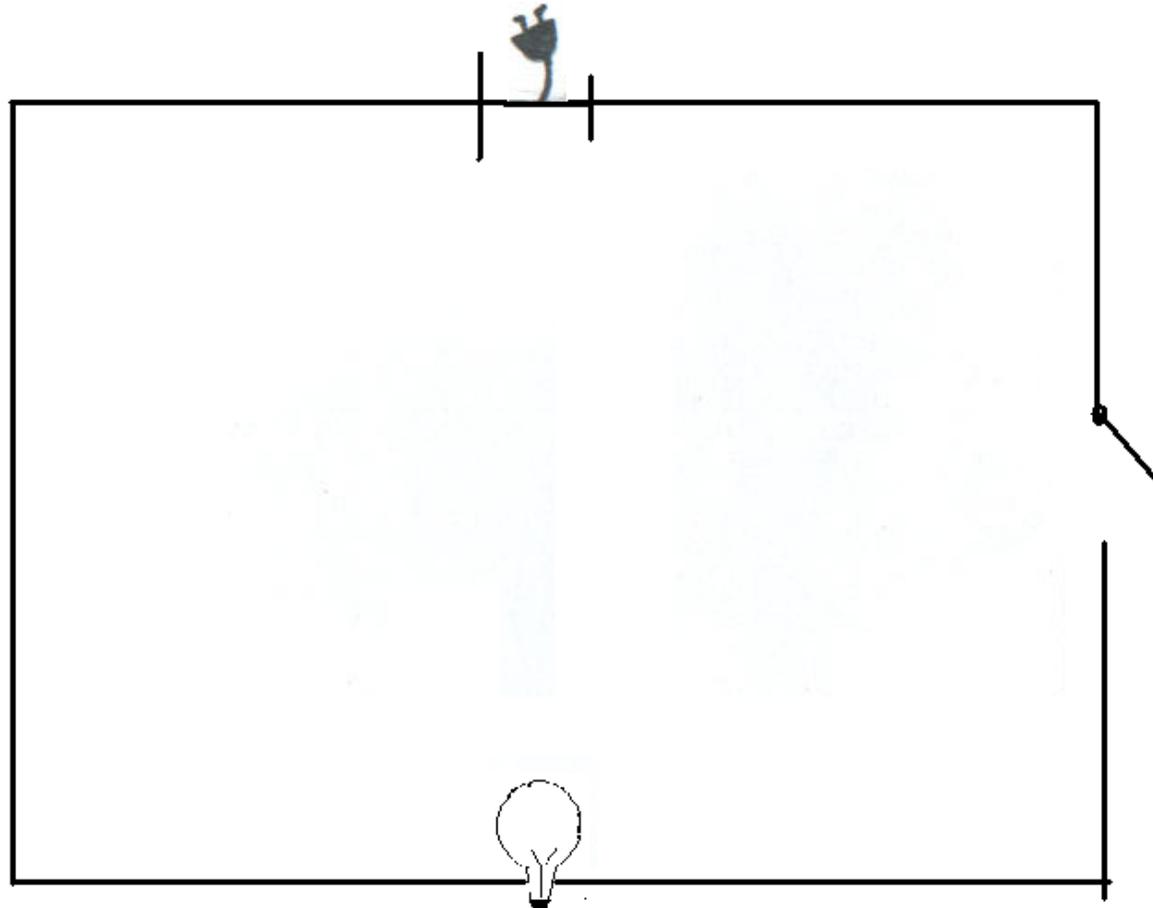
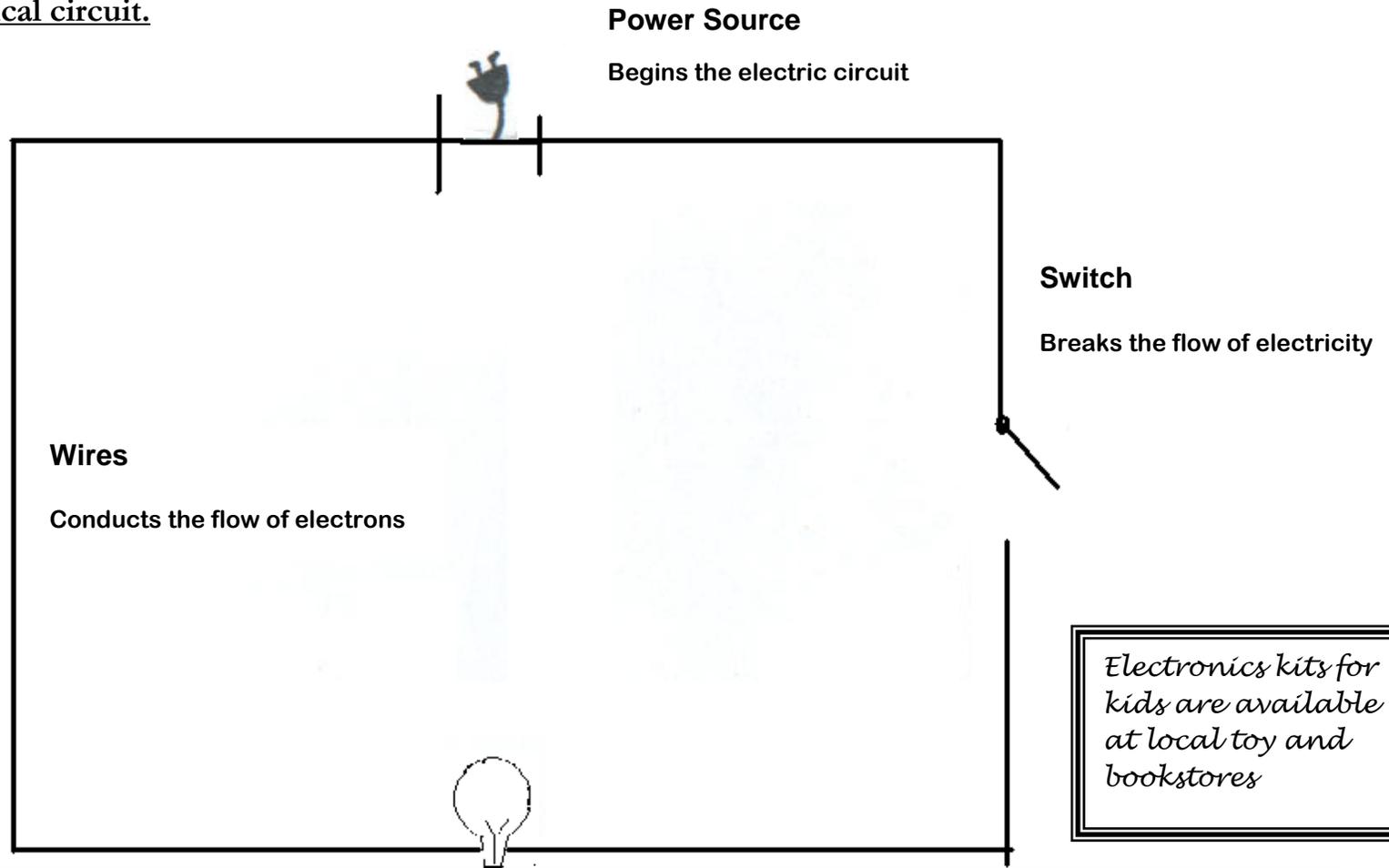


Diagram an electrical circuit.



*Teaching Concept: When there is an electrical current, the electrons must make a complete circuit (circle.)*

*Electronics kits for kids are available at local toy and bookstores*

*There are many electronics kits for kids that can be purchased at local toy and bookstores. Here is a way you can make your own electric circuit. Cut a piece of aluminum foil  $\frac{1}{2}$  inch by 12 inches approximately. Fold it in half the long way so it is  $\frac{1}{4}$  inch thick. Set a C battery on one strip of foil with the base down. Wrap the other end of the foil strip around the metal near the bottom of the bulb. Now take the second strip. Touch one end to the very tip of the light bulb. Connect the other end of the second strip to the top of the battery. Make sure the two foil strips do not touch each other. The light bulb will light up.*

## INFORMATION PIECES

<b>Power Source</b> LE-8
<b>Switch</b> LE-8
<b>Wires</b> LE-8
<b>Begins the electric circuit</b> LE-8
<b>Conducts the flow of electrons</b> LE-8
<b>Breaks the flow of electricity</b> LE-8

*To Make Your MatchCard more durable:*

- 1. Put the student MatchCard and instructor MatchCard back to back in a clear plastic page protector.*
- 2. Laminate the information pieces. Or you can make them sturdier by covering the paper with transparent tape prior to cutting the pieces out.*
- 3. For more ideas on how to use the MatchCards, and for keeping a notebook for review, see the Instructor's Guide.*