Circuit Search

Procedure

1. Research Use the Internet, library, or other resources to find out how to make a simple electric circuit. The circuit should include one or more dry cells. Have your teacher check the instructions before you follow them.

2. Using the materials provided, follow the instructions to set up a circuit. Do not connect the last wire to the dry cell yet. **Safety:** The wires may be sharp.

3. Predict Predict what will happen when you make the last connection and complete the circuit. Record your prediction on the lines below.

4. Experiment Complete the circuit by connecting the last wire to the dry-cell holder. Observe and record what happens.
Conclusion

Write the answers to the questions below.

1. **Analyze Data** What form of energy does a dry cell contain? What form of energy does the buzzer produce?

2. **Research** Use science resources to find out what form of energy travels through the wires of the circuit.

3. **Hypothesize** Use your results to hypothesize how a doorbell works.

**Investigate More!**

**Solve a Problem** People who are hearing impaired may not be able to hear a doorbell ringing. How could you use a circuit to create a signal that a hearing-impaired person could sense?