

# Make a Bulb Light

## Procedure

- 1. Collaborate** Work with a partner to connect the battery, wires, and bulb as shown in Diagram A in your book. Did the arrangement of materials in Diagram A make the bulb light?  
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- 2. Observe** Repeat Step 1 for Diagram B in your book. Did the arrangement of materials in Diagram B make the bulb light?  
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- 3. Predict** Predict whether the arrangement of materials in Diagram C in your book will make the bulb light?  
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- 4. Experiment** Test your prediction. Make the connections shown in Diagram C. How do your results compare with your prediction?  
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- 5. Experiment** Test other ways to arrange the materials so that the bulb lights. Draw each of your arrangements in the space below. Also record your results next to each drawing.

## Conclusion

On the lines below, write the answers to the questions.

1. **Analyze Data** Which arrangement caused the bulb to light?

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2. **Hypothesize** When you made the bulb light, you made an electric circuit. Think about the arrangement of materials when the bulb lit and when it did not. Form a hypothesis about what an electric circuit is.

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## Investigate More!

**Experiment** Use what you learned in the Investigate to design a circuit that will make two bulbs light. Draw your design. Then use the materials provided to test your design.

