

## Shocking Truths about Electricity

Read each statement below and make a prediction about whether you think the statement is *true* or *false*. Under each statement, explain why you made that prediction. **Hint:** 5 of the statements are true and 5 are false. Mark the correct answer, given by your teacher, in the space provided.

| My Prediction | The Correct Answer | Statement<br><i>Explain your thinking about your prediction</i>                    |
|---------------|--------------------|--|
| True   False  |                    | Electricity travels faster than the speed of light.                                |
| True   False  |                    | Electricity can be made from animal manure.  |
| True   False  |                    | Hydropower is the most common way electricity is made in the United States.        |
| True   False  |                    | Frog legs helped create the first battery.   |
| True   False  |                    | One power plant can produce enough electricity for 180,000 homes.                  |
| True   False  |                    | Benjamin Franklin was the first person to discover electricity.                    |
| True   False  |                    | The power generated by walking on carpet is similar to that of a lightning strike. |
| True   False  |                    | Electric current is measured by how fast it is traveling (miles/second).           |
| True   False  |                    | Electricity cannot travel through water.   |
| True   False  |                    | A spark of static electricity from walking on carpet measures about 3,000 volts.   |

Which statement surprised you the most? Why were you surprised?

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How did this change your thinking?

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For each statement that is false, make it true by recording the correct answer from your teacher.