

Lesson 1—What Is Static Electricity?**1. Inquiry Skill Practice—Infer**

Nadine rides in a car with soft fabric seats. When Nadine stops the car, she slides on the seats to get out. She pushes the metal car door shut with her bare hand. She gets a shock! The shock is made by static electricity. What can you infer about the interaction between the car seat, the car door, and Nadine?

2. Use Vocabulary

Match the clue on the left to the term on the right.

- | | |
|---|-------------------------------|
| ___ The flow of electrons. | A. static electricity |
| ___ The buildup of charges on an object. | B. current electricity |
| ___ The electricity that flows using a flow of electrons. | C. current electricity |

3.  Reading Skill Practice—Cause and Effect

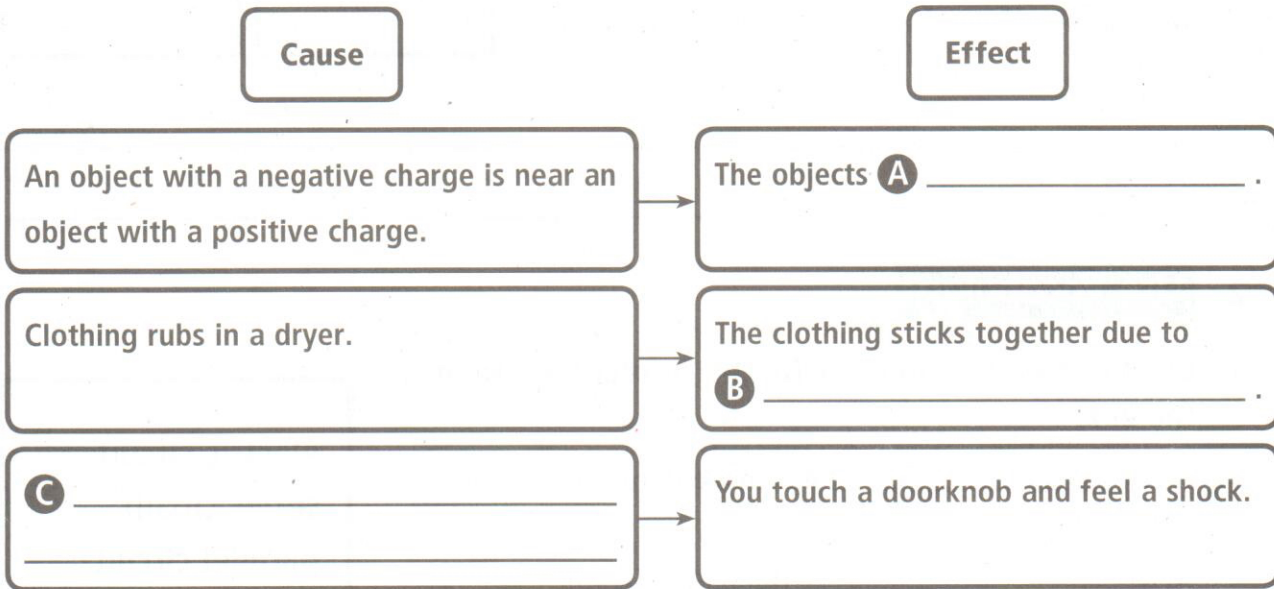
Read the selection. Describe a cause and effect related to static electricity.

Mario washed his clothes and put them in the dryer. When he took the clothes out of the dryer, some socks were stuck to his shirts. What happened? Simple! As clothes rotate in the dryer, they rub against each other. Negative charges move around from one sock or shirt to another. Some clothes get a positive charge. Other clothes get a negative charge. This build up of charges produces static electricity. Opposite charges attract each other. The clothes that built up negative charges stick to the clothes with positive charges.

Name _____

4.  **Cause and Effect**

Complete the graphic organizer.



5. **Critical Thinking and Problem Solving**

Name one way that a balloon could become negatively charged.
