

**Science 9**  
**Unit D: Electrical Principles and Technologies**  
**Lesson 1**  
**Practice Worksheet 35: Static Electricity**

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Use the simulation in the online course to help you complete the questions.

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**Question 1**

Predict what will happen when you rub your foot against a carpet and then touch a metal object such as a doorknob.

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**Question 2**

Would it make any difference how many times you rubbed your foot on the carpet before touching the doorknob? Explain.

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**Question 3**

When you are rubbing your feet across the carpet, are you becoming negatively or positively charged?

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#### Question 4

What happens when you touch the metal doorknob?

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#### Question 5

What is the name of the phenomenon of electrons being emitted in a shock or spark?

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**Congratulations! You have completed this practice worksheet.**

Now it's time to carefully compare your answers to the suggested answers in the online course. When comparing, you should feel free to make changes to your answers or make extra notes.

**Keep this practice worksheet for study purposes.** Using practice worksheets as a study tool to review for exams is a great idea.

**If you unsure about any of the questions or answers, or you just want more feedback, share this practice worksheet with your teacher and ask for assistance.** You can do that by emailing the teacher, or by submitting it in the Course Questions Forum in the online course. If you are using this practice worksheet in Google Drive, don't forget to change the sharing settings so that anyone can view it before sending the link to your teacher.

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