

ACTIVITY STATION CARDS

Station 1

You have tuning forks of various sizes and several clear cups of room-temperature water. Tap the tuning fork on your forearm or a book and then touch it to the rim of the cup; what do you observe? Tap the tuning fork again and touch it to the surface of the water; what do you observe? Work with your group to explore and answer Edison's three questions. As a group, try to answer the question "What form of energy are we observing?" Record the answers on your Edison's Three Questions Worksheet.

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Station 2

You have laser pointers and several clear cups of room-temperature water. Shine the light through the water at an angle. What do you notice? Shine the light across the water at an even angle. What do you notice? As a group, try to answer question “What form of energy are we observing?” Record the answers on your Edison’s Three Questions Worksheet.

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Station 3

You have two spoons and a cup of warm water. Feel both spoons at room temperature and discuss your observations with your group. Leave one spoon on the table and place one in the warm water. After five minutes, feel the part of the spoon that was in the water. What do you notice? Place that spoon back in the water. After ten minutes, feel the part of the spoon that was in the water. What do you notice? As a group, try to answer the question “What form of energy are we observing?” Record the answers on your Edison’s Three Questions Worksheet.

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Station 4

You have two wires, a lightbulb, and a battery. Try to make the lightbulb light. What do you notice? As a group, try to answer the question “What form of energy are we observing?” Record the answers on your Edison’s Three Questions Worksheet.