

What is static charge?

When two objects of different materials rub together, very tiny particles called electrons transfer between them. This imbalance of charges can cause an object to be charged up, until the rebalance sending a spark that shocks us.

Student's Name:_____

Teacher's Name:_____

Due Date:_____

Partner's Name:_____

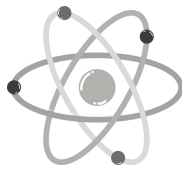
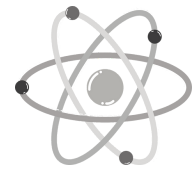


The Science Alliance of Tennessee, a coalition of 6 Science and Children's Museums, aims to foster children's curiosity, wonder and problem-solving skills using STEM curricula and community connections that set students on a positive trajectory of learning where they live and play. This project, the Tennessee Rural Impact Project (TRIP), was made possible in part by the Institute of Museum and Library Services.

Let's Explore ...

Static Electricity





Let's Explore ... Static Electricity

Have you ever felt a shock when you touched a door knob? Or took off a wool hat? **Static Electricity** is a kind of energy that is fun to explore!

What to do:

1. Gather plastic materials such as a comb or plastic spoon.
2. Sprinkle a tiny bit of salt, pepper, or even tiny bits of paper on a table.
3. Take turns with your partner rubbing the items you collected on your clothes, carpet, hair or other materials. Then hold the objects close to the salt and pepper mix.

Make your observations on the next page!



- What do you notice?
- Do you see any movement?
- Which materials are best at building up static charge?

Item Name	You Observations	Partn er's Observations