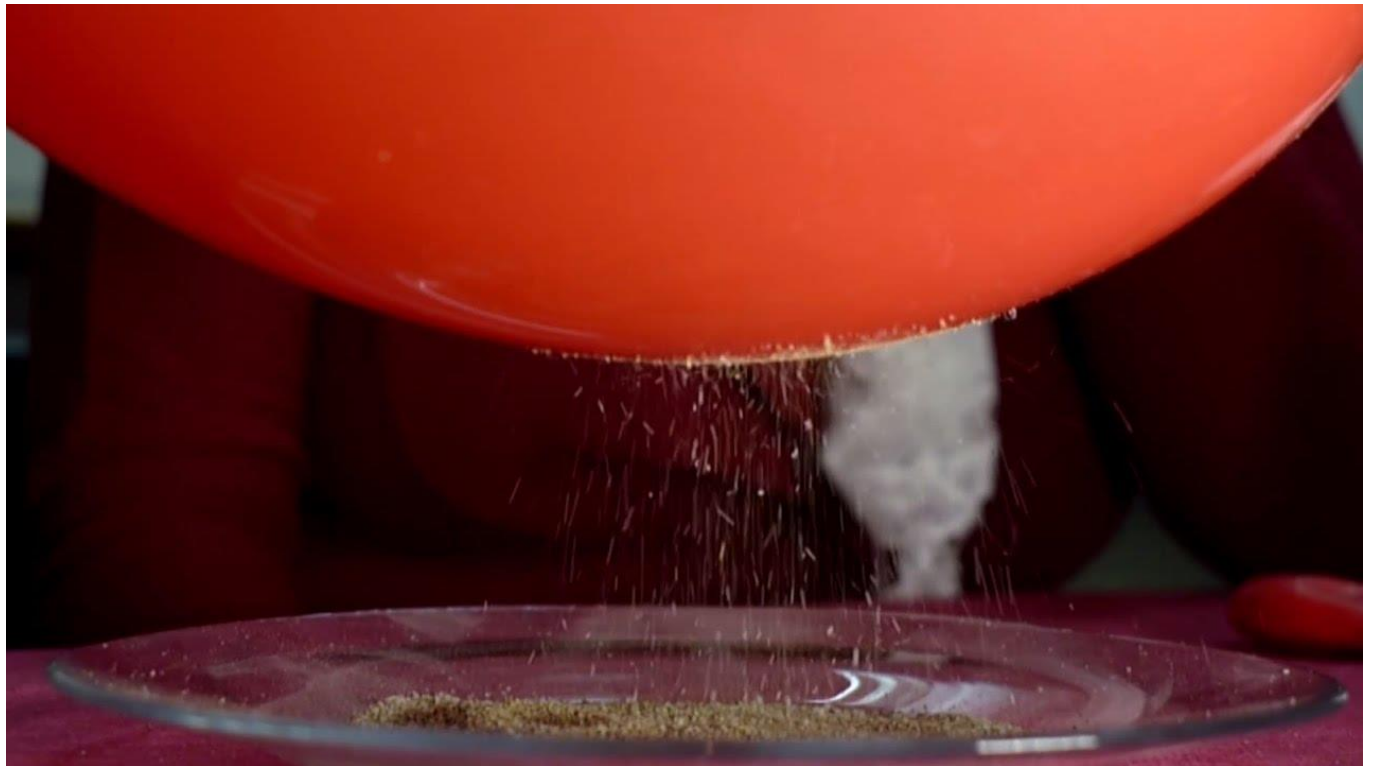


Inquiry Question

Can you make pepper magically stick to a balloon?

Name: _____ Date: _____



Have you ever rubbed your feet on carpet and then zapped something when you touch it?

That's static electricity! Static electricity is the build-up of electrical charge in an item.

The electricity is waiting for somewhere to go. After we rub our feet on the carpet and reach for a doorknob a spark. The electricity has found somewhere to go and jumps through the air causing which causes the spark!

Do you think we use static electricity to make pepper magically stick to a balloon?

General Instructions

Using static electricity, we are going to see if pepper will stick to a balloon.

Materials you'll need:

- Balloon
- Salt & Pepper
- Plate

Hints and Ideas:

This experiment works best on a dry day or in a dry environment.

Steps:

- Pour about a teaspoon of salt and about a teaspoon of pepper onto the plate.
- Then, blow up the balloon and tie it.
- Next, rub the balloon on your hair to charge it.
- Hold the balloon about an inch above the plate and then observe what happens.

Project Submission

You can either submit photos/video of your project or if you can drop-in to the school, you can present it to your teacher in-person.

Can you make pepper magically stick to a balloon?

Name: _____

Describe **and** draw what happened when you put the balloon near the salt and pepper:

Picture:

Description:

Why do you think that happened?