

Investigation Review

What Is Static Electricity?



Name _____ Date _____

1. Underline the word that best completes each sentence.
 - a. Unlike charges (repel, attract) each other.
 - b. Like charges (repel, attract) each other.
 - c. A negatively charged balloon can stick to a wall after the (positive, negative) charges of the wall are pushed away.
 - d. When negative charges jump from a cloud to the ground, (lightning, rain) occurs.
 - e. When you walk across a rug, (positive, negative) charges can move from the rug to your shoes.

2. Use the phrases in the box to complete the diagram.

negative charges move
to balloon

before rubbing object
is neutral

balloon becomes positively charged

balloon becomes
negatively charged

negative charges move
from balloon

**Balloon rubbed
with wool**

**Balloon rubbed
with plastic**

Process Skills

Communicating

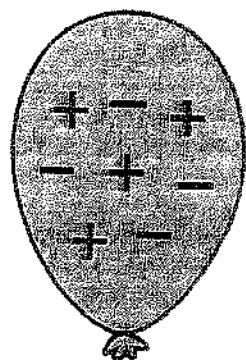
Draw a diagram on a separate sheet of paper showing what happens when you rub a balloon with a piece of plastic.

Name: _____

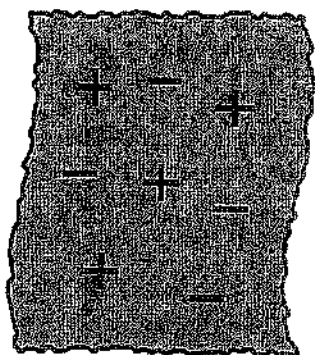
Static Electricity

Rubbing a balloon with wool cloth will create static electricity charges.

This balloon has not been rubbed with the wool cloth.



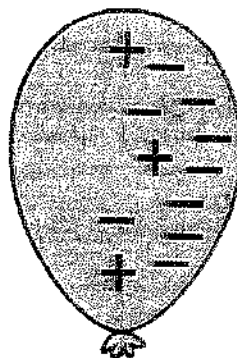
balloon



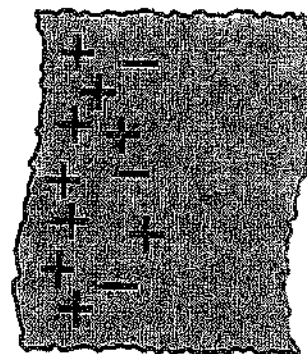
wool cloth

Picture 1

This balloon has been rubbed with the wool cloth.



balloon



wool cloth

Picture 2

In Picture 1, does the balloon have a positive charge, negative charge, or no charge? _____

In Picture 1, does the cloth have a positive charge, negative charge, or no charge? _____

In Picture 2, does the balloon have a positive charge, negative charge, or no charge? _____

In Picture 2, does the cloth have a positive charge, negative charge, or no charge? _____

If you place small pieces of tissue paper near the balloon in Picture 2, they would probably stick to the balloon. Explain why.