

# ELECTRICITY

## TYPES AND MATERIALS



### WHAT IS IT?

#### STATIC ELECTRICITY

Accumulation of electrical charges on the surface of an object due to the transfer of electrons between materials, typically by friction.

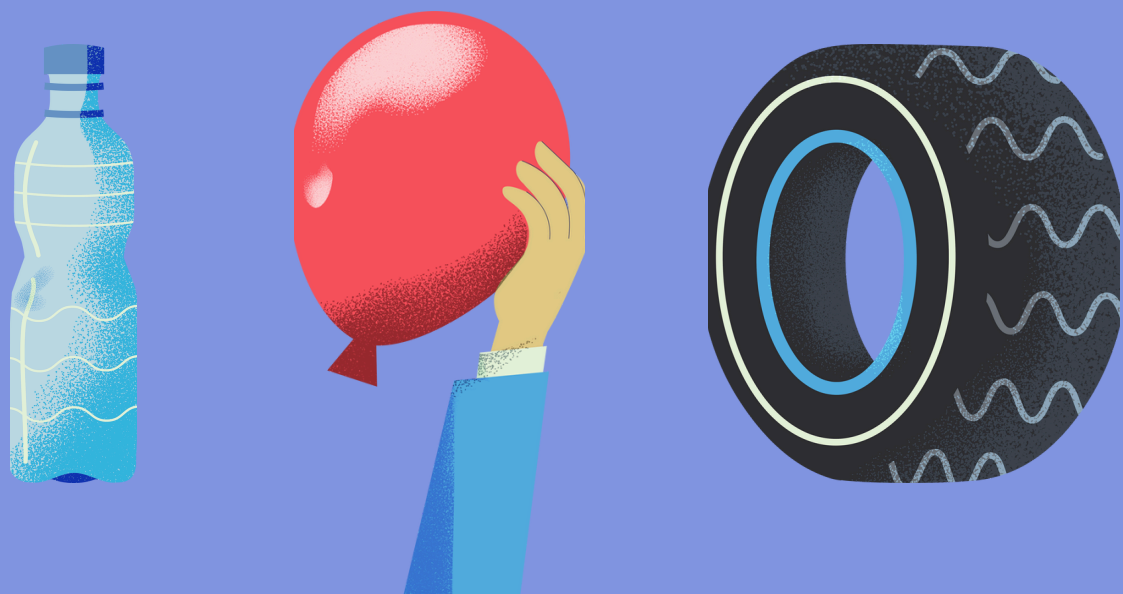


#### INSULATORS

Materials that are particularly prone to generating static electricity due to their high electrical resistance.



Plastic, rubber, and paper, among others, are insulators.



#### CURRENT ELECTRICITY

A form of energy that arises from the exchange of electrons that moves through a conductor and is driven by a voltage source, like a battery or a power outlet.



#### CONDUCTORS

Materials that allow electrons to move freely through them. They are essential for electrical installations.



Metals such as aluminum, iron, and copper are conductors.

