GRADE 6 SCIENCE / ELECTRICITY

Static electricity

Explain how charge builds up, how charges interact, and what causes lightning.

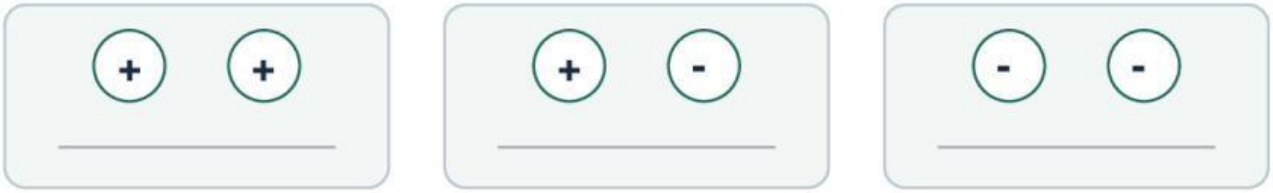
Name _____ Date _____

Quick review

Static electricity is a buildup of electric charge. When electrons move from one object to another, one object can become positive and the other negative.

A. Predict how charges interact

Write attract or repel under each pair of charged objects.



B. Follow the electrons

You walk across a carpet. Electrons move from the soles of your shoes to the carpet. Both started with no overall charge.

1. The soles become _____ charged.
2. The carpet becomes _____ charged.
3. You touch a metal doorknob and see a tiny spark. What moved?

C. From a tiny spark to lightning

In a storm cloud, collisions between ice particles help separate electric charges.

1. How is a flash of lightning similar to the spark at the doorknob?

2. Which is an example of current electricity? Circle one.
   A. Charge builds up on a carpet.
   B. Charge flows through wires in a closed circuit.

LIVEWORKSHEETS