Name:

Electricity & Magnets

Static vs Current Electricity

Static electricity is build up of electric charge. **Current electricity** moves through wires or some other medium.

Can you determine if these everyday examples of electricity are **static** or **current** electricity?



Easy Electromagnet!

Materials:

- Scissors
- Wire
- Screwdriver
- Ruler
- 4.5-volt batter
- Metal paper clips



Instructions:

1. Cut a piece of wire about 5 times as long as the metal part of the screwdriver. If the wire has a coating, scrape it off.

3. Wrap one end around a battery terminal, and try to pick up the paperclips with the screwdriver. What happens?

2. Wrap the metal tightly around the screwdriver, leaving about 6 inches of wire on each end.

4. Wrap the free end around the other battery terminal, and try to pick up the paperclips again. What happens?

Potter, Jane. Science in Seconds For Kids. New York: John Wiley & Sons, Inc., 1995. Print.

