



GET CONNECTED: SIMPLE CIRCUITS

Question for students: How do circuits work to use electricity?

We can't see electricity, but we can make it reveal itself in this simple circuit activity. If your kid has never paused to reflect on how electricity makes a lamp turn on, this basic experiment will enlighten them.

MATERIALS FOR THIS ACTIVITY:

- [Battery holder & joiner, D cell](#)
- [Battery, D-size, heavy duty, 2/pk](#)
- [Alligator clip leads, 2/pk](#)
- [Bulb holder, 1-bulb](#)
- [Bulb, screw style, 1.5-volt](#)



WHAT IT TAKES

FOLLOW THIS EASY, STEP-BY-STEP ACTIVITY

In this activity, kids will follow a series of steps to successfully build a simple circuit. If they follow everything correctly, a literal (and figurative) light bulb will go on!

- 1 Screw the light bulb into the bulb holder. Loosen the screws on the bulb holder.
- 2 Connect two different alligator clips to each screw.
- 3 Put a D-sized battery in the battery holder.
- 4 Connect the loose ends of the alligator clips to the battery holder. Observe the end result!

HOW



BUY EVERYTHING YOU NEED FOR THIS ACTIVITY IN ONE PLACE

See all of these products and more on [one handy shopping page](#).



Bulb, Screw Style, 1.5-volt

Works with 1.5-volt batteries



Battery, D-size, Heavy Duty, 2/pk

Standard D-size batteries



Alligator Clip Leads, 2/pk

Insulated

WANT MORE?

Time to get serious!



Electricity Investigation STEM Kit

Learn about parallel and series circuits, electromagnets, and more!

[See all related products](#)

A FEW TIPS TO HELP YOU OUT

- If nothing happened, make sure everything is connected securely, screwed in tightly and the battery is inserted correctly in the holder.
- Each alligator clip should have one end attached to the battery holder and one end attached to the bulb holder.



GO BEYOND THE ACTIVITY!

- Add other electrical components to the circuit, like a motor, resistor, or a switch, and observe the differences.
- Explore how to build a parallel circuit or a series circuit.
- Measure the current, voltage, and resistance in the circuit using a [multimeter](#).

NEED HELP WITH THIS ACTIVITY?

Call 1-800-860-6272 or email service@homesciencetools.com.

SHOP

TIPS

MAKE IT YOUR OWN

HELP