

UTAH'S ENERGY SOURCES CIRCUIT BUDDY



Supplies Needed:

- Energy Source Buddy
- Two LED Lights
- Two Batteries
- Copper Tape



UTAH OFFICE OF
ENERGY DEVELOPMENT

energy.utah.gov

Scan here for a video tutorial!



UTAH'S ENERGY SOURCES CIRCUIT BUDDY

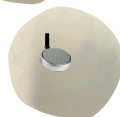
1. Push the two metal legs of one LED light through an eye on the front of your energy buddy.



2. Bend the longer leg of the light down so it is against the paper, leaving the shorter leg sticking up.



3. Place the smooth side of the battery face down so it covers the longer leg of the light.



4. Bend the shorter leg of the light down to touch the rough side of the battery.



5. Tape down the shorter metal leg to the battery using the copper tape.



6. Repeat the process with the other light and battery.



7. Watch the eyes light up!
You've made a circuit!

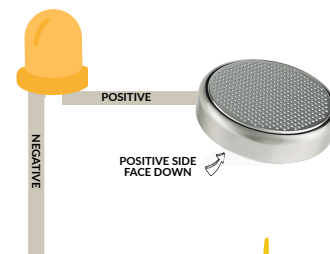


How does it work?



Both the battery and the LED light have two sides that energy needs to travel between, similar to a starting line and finish line. The battery has a "start" side, which we call positive, and an "end" side, called negative.

The LED light also has a "start" the longer leg, which is positive and an "end" the shorter leg, which is negative.



To make the light turn on, the energy needs to flow in a loop from the battery's positive side, through the light, and back to the battery's negative side – like a tiny racetrack for electricity!

