

UTAH'S ENERGY SOURCES CIRCUIT BUDDY



Supplies Needed:

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



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Scan here for a video tutorial!



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1. Push the two metal legs of one LED light through an eye on the front of your energy buddy.
2. Repeat with the other LED light.
3. Bend the longer leg of the light down so it is against the paper, leaving the shorter leg sticking up. Point the longer legs toward each other.
4. Place the smooth side of the battery face down so it covers the longer legs of the lights.
5. Bend the shorter leg of each light down to touch the rough side of the battery.
6. Tape down the shorter metal legs to the battery using the copper tape.



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!

