

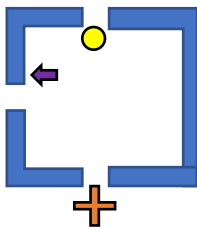
# ELECTRICAL CIRCUITS EXPERIMENTS

## Materials:

- 9 Volt battery
- Tinfoil
- LED light
- Metal paperclip
- Thumb tack
- Tape

## Instructions:

1. Fold tinfoil into strips. Make one long strip and two medium strips.
2. Create a square with the strips, like below (ignore the arrow, circle and + for now). Set the space piece to the side.



3. Tape down the square.
4. Place the light bulb at the top (yellow circle). Tape the wire to the tinfoil on both sides.
5. Place the battery at the bottom (orange +). Make sure the positive and negative terminals are connected on opposite sides of the tinfoil.
6. Make your observations.
7. Place your paperclip on the left (purple arrow) and secure with the pushpin (put the pushpin upside down to create a pivot point for the paperclip). Move it to different positions and complete step 8 and 9.
8. Place the battery at the bottom (orange +). Make sure the positive and negative terminals are connected on opposite sides of the tinfoil.
9. Make your observations.

Link to Makey Makey machines: <https://makeymakey.com/>

