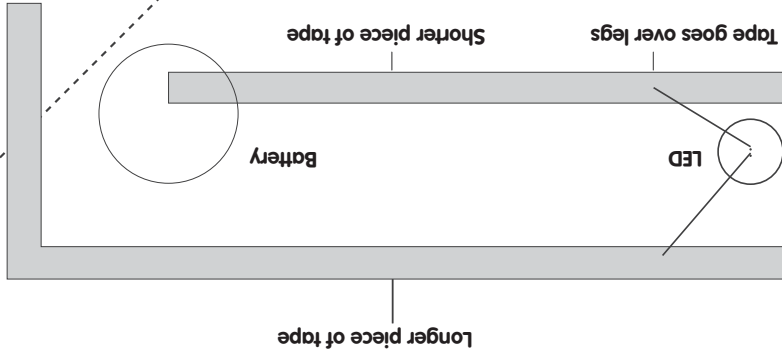


# Single LED Light Circuit

## Build Guide

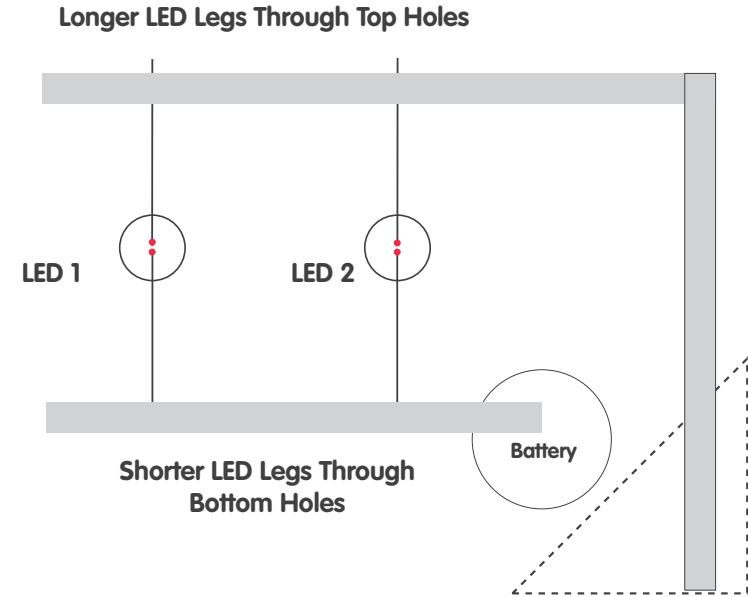
1. Fold over corner along the dotted line.
2. Poke LED legs through from the front side.
3. Bend LED legs.
4. Apply tape along lines and OVER LED legs.
5. Place battery, fold over the flap, and secure with a binder clip.
6. If your LED doesn't turn on, flip over battery and try again.



# Parallel Circuit

## Build Guide

1. Poke out red dots within each LED circle with pin.
2. Identify the long and short legs from each LED.
3. FROM THE FRONT, thread the legs from one LED through one pair of holes and the wires from the remaining LED through the remaining holes (as shown on diagram).
4. Apply tape along lines and OVER LED legs.
5. Place battery, fold over the flap, and secure with a binder clip.
6. If your LEDs don't turn on, flip battery over.
7. Draw a face on the other side using the lights as eyes!



# Basic Circuits

1. Circuits need to have a power source. What was your circuit's power source?

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2. Circuits need to have a pathway to and from the power source. What did you use to create this pathway in your circuit?

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3. Circuits are set up to get electricity to components that need them. Which components did you place within the circuit to take advantage of the electricity that can now flow through it? \_\_\_\_\_

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4. How could you tell which LED leg was positive and which was negative? \_\_\_\_\_

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5. When the pathway was complete, the circuit was on/off?

6. When the pathway was incomplete, the circuit was on/off?

7. The arrangement I used to light TWO LEDs was called a \_\_\_\_\_ circuit.