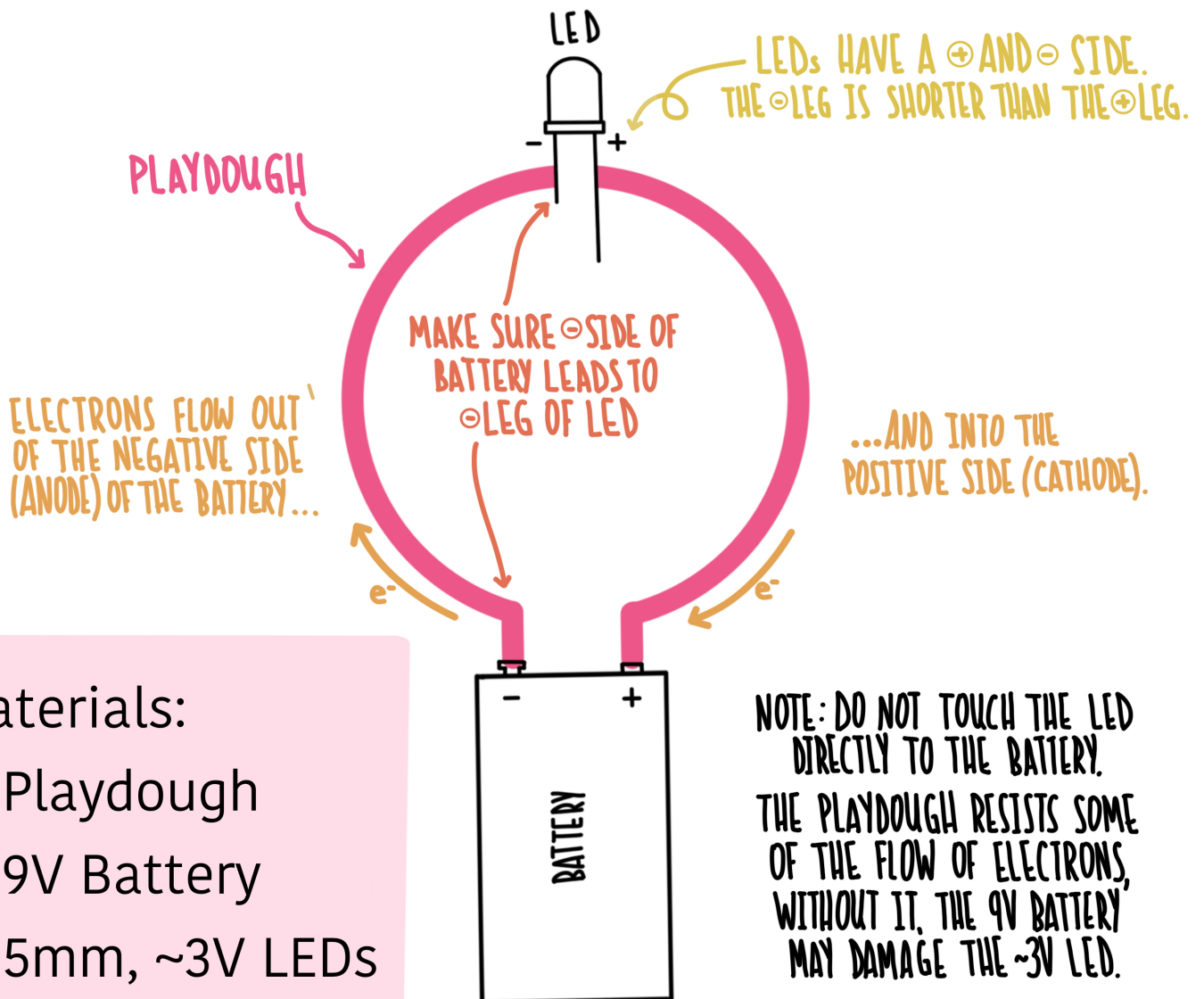


PLAYDOUGH CIRCUITS

In this activity, you will create a basic circuit using LEDs, a battery, and playdough! A circuit is a path that lets electricity flow from one end of a power source around to the other. A circuit must be made with a material that allows electrons that make up electricity to flow freely, this is called a conductive material. Playdough has a lot of salt in it, which allows it to conduct electricity!

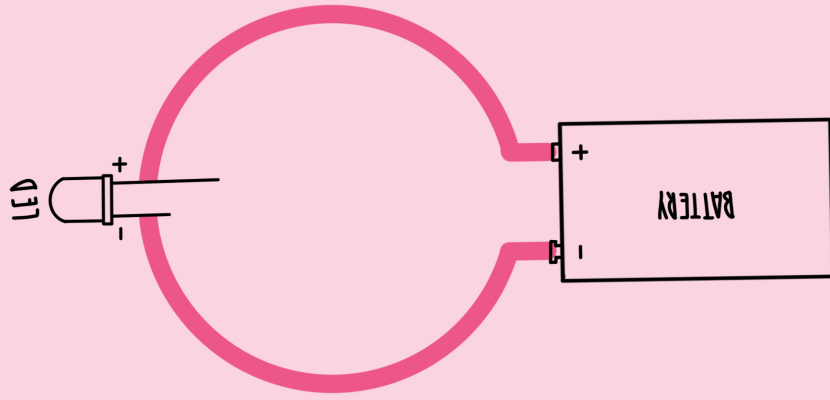
Read this diagram to get acquainted with playdough circuits. On the next page, you can create your own!



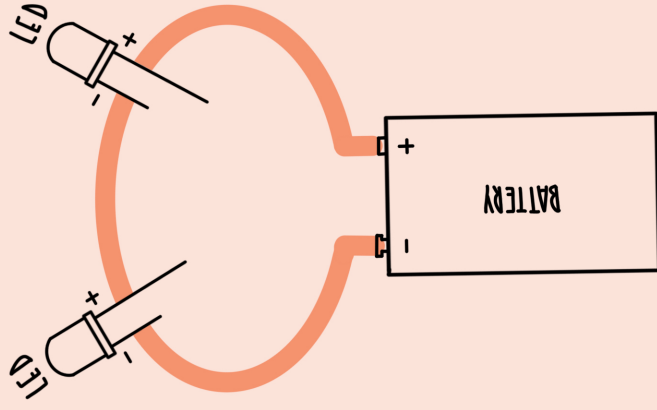
Materials:

- Playdough
- 9V Battery
- 5mm, \sim 3V LEDs

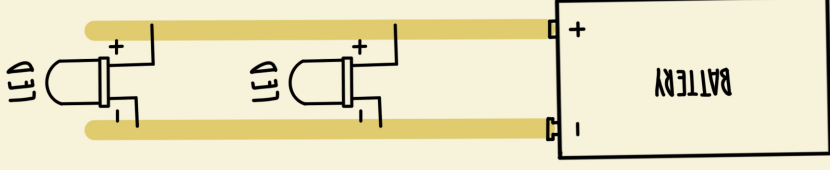
SIMPLE CIRCUIT



SERIES CIRCUIT



PARALLEL CIRCUIT



YOU MAKE YOUR OWN CIRCUIT! YOU MAKE YOUR OWN CIRCUIT!

LAY PLAYDOUGH RIGHT OVER THE COLORED LINES.
SQUISH LED AND BATTERY INTO PLAYDOUGH.