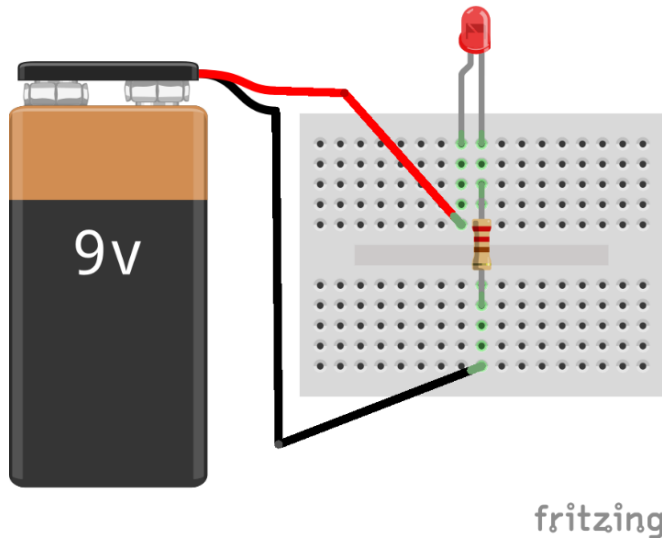


Beginner Electronics Projects

Japan Fair 2017

Project 01 “Light up an LED”

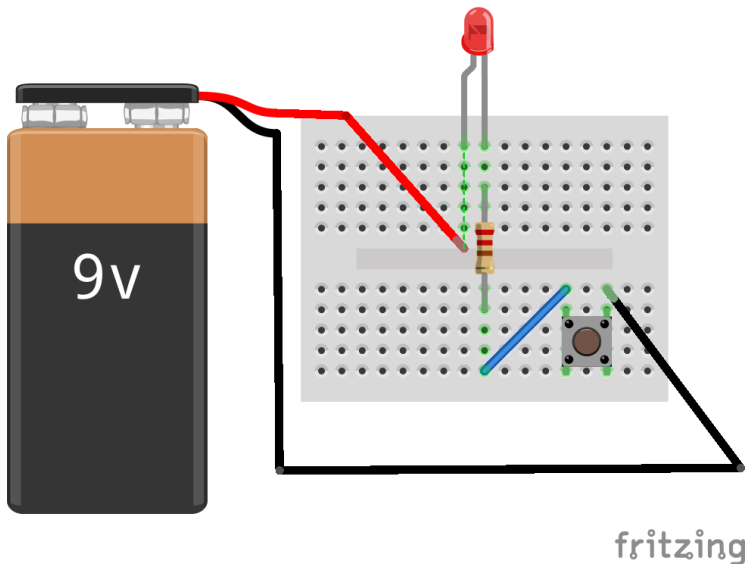


Make sure to connect the longer leg of the LED to the positive terminal of the battery (red wire).

You can connect the resistor in either direction.

Now, try different color LEDs!

Project 02 “Use a switch”

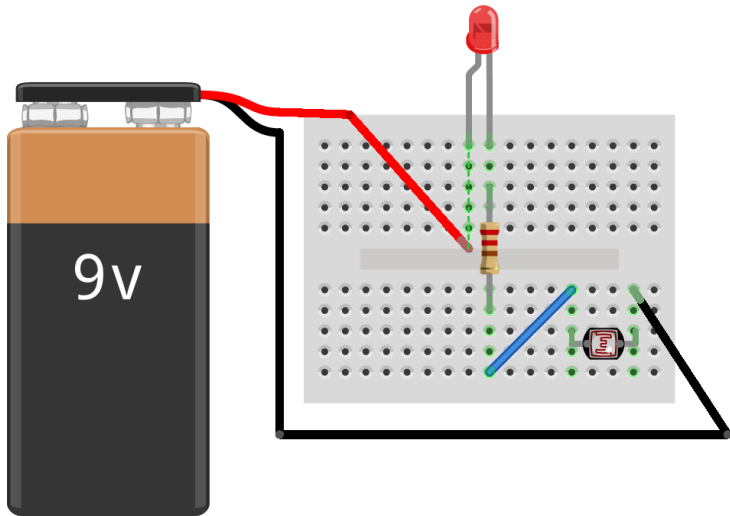


Do you see the push button has four legs?

See the diagram carefully to get the orientation right!

Now, turn the LED on and off using the switch!

Project 03 “Use a photoresistor”



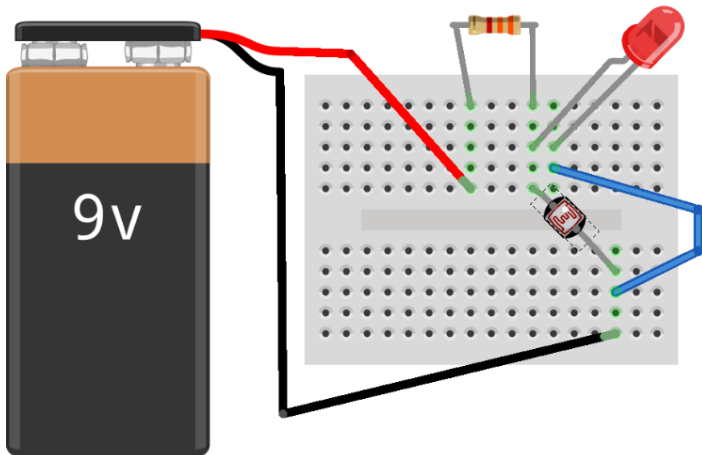
You can insert the photoresistor in either direction.

Cover the photoresistor with your finger. What happens?

Optionally, shine your smartphone's flashlight to the photoresistor. What happens?

Project 07 “Light up an LED when dark”

Use 33K ohm resistor (the one in the picture has incorrect color bands)



Be careful! You will need a different resistor for this project!

Cover the photoresistor with your finger. What happens?