



LED blink on hardware Tutorial



BESTIN AUTOMATION

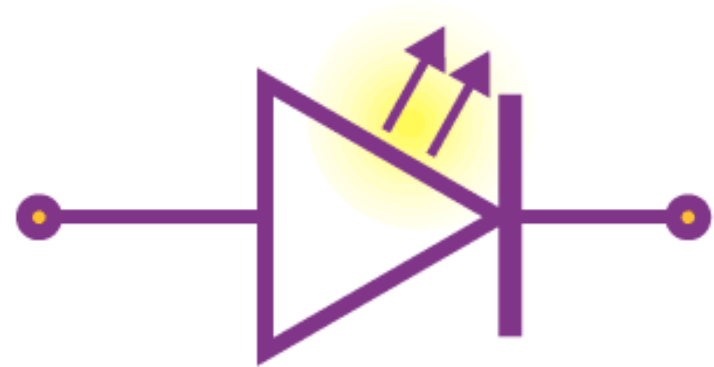
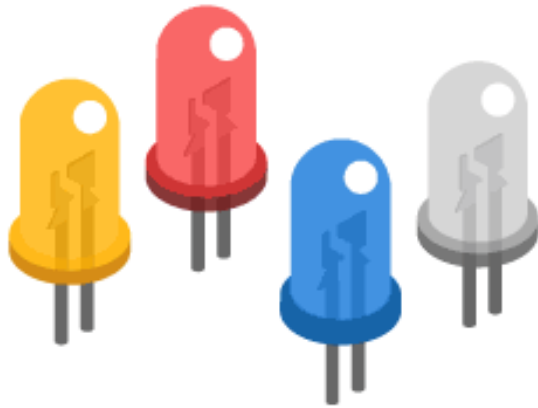
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LED (Light-emitting diode)

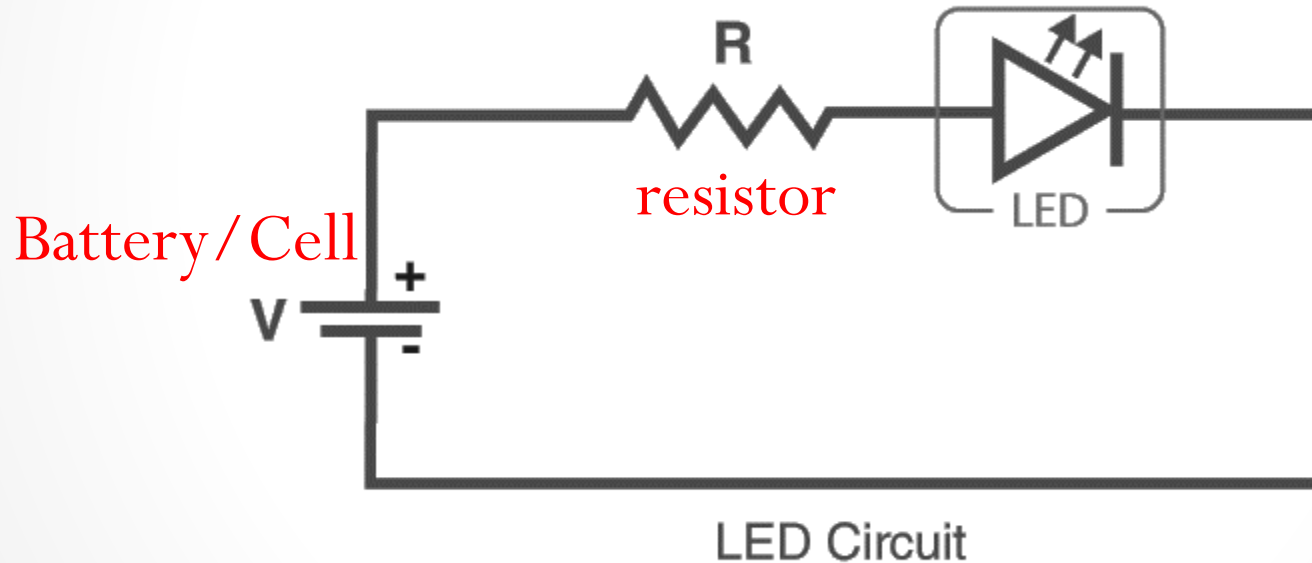
A light-emitting diode (LED) is a semiconductor device that emits light when an electric current flows through it.



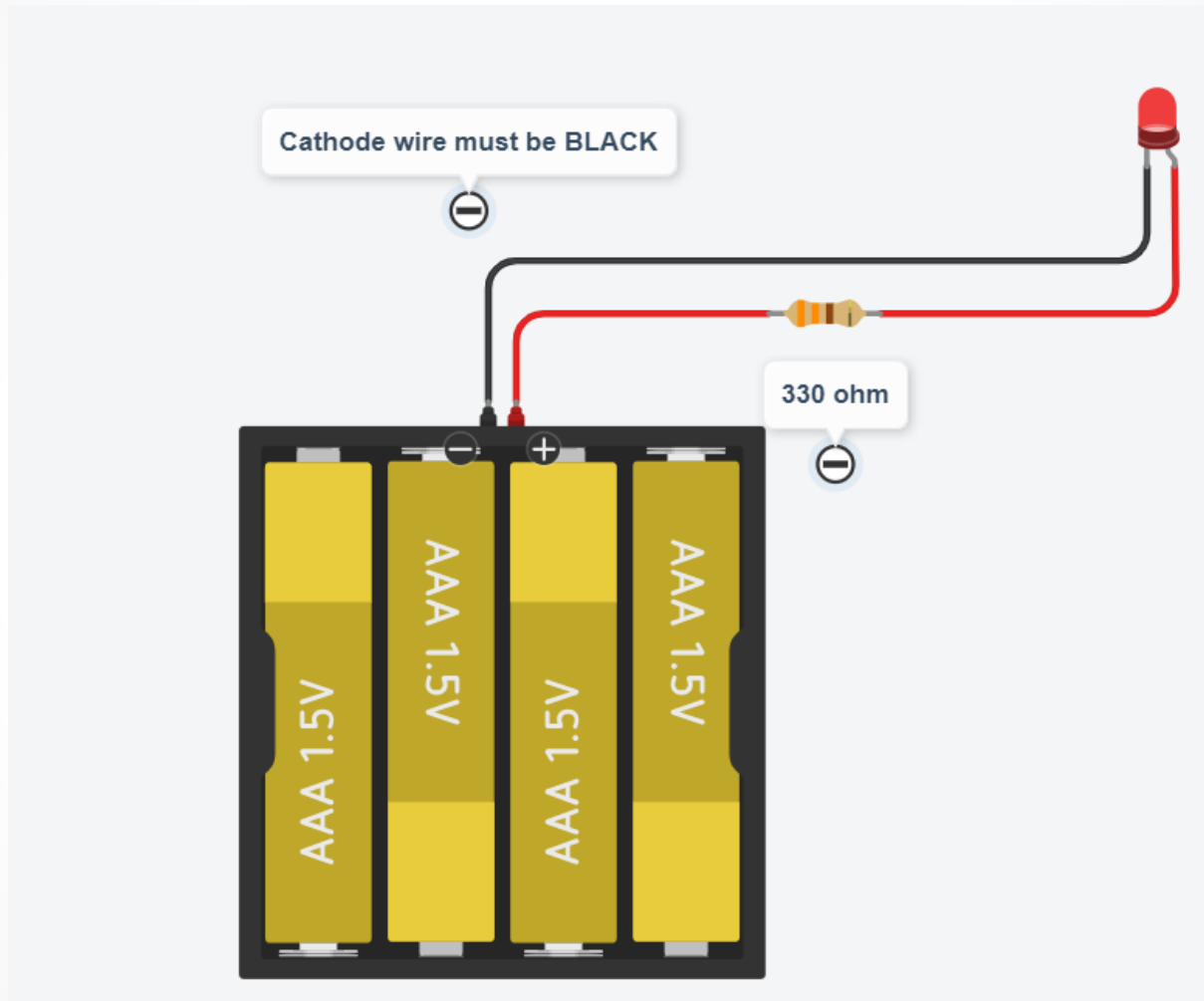
LED Symbol

Simple LED circuit

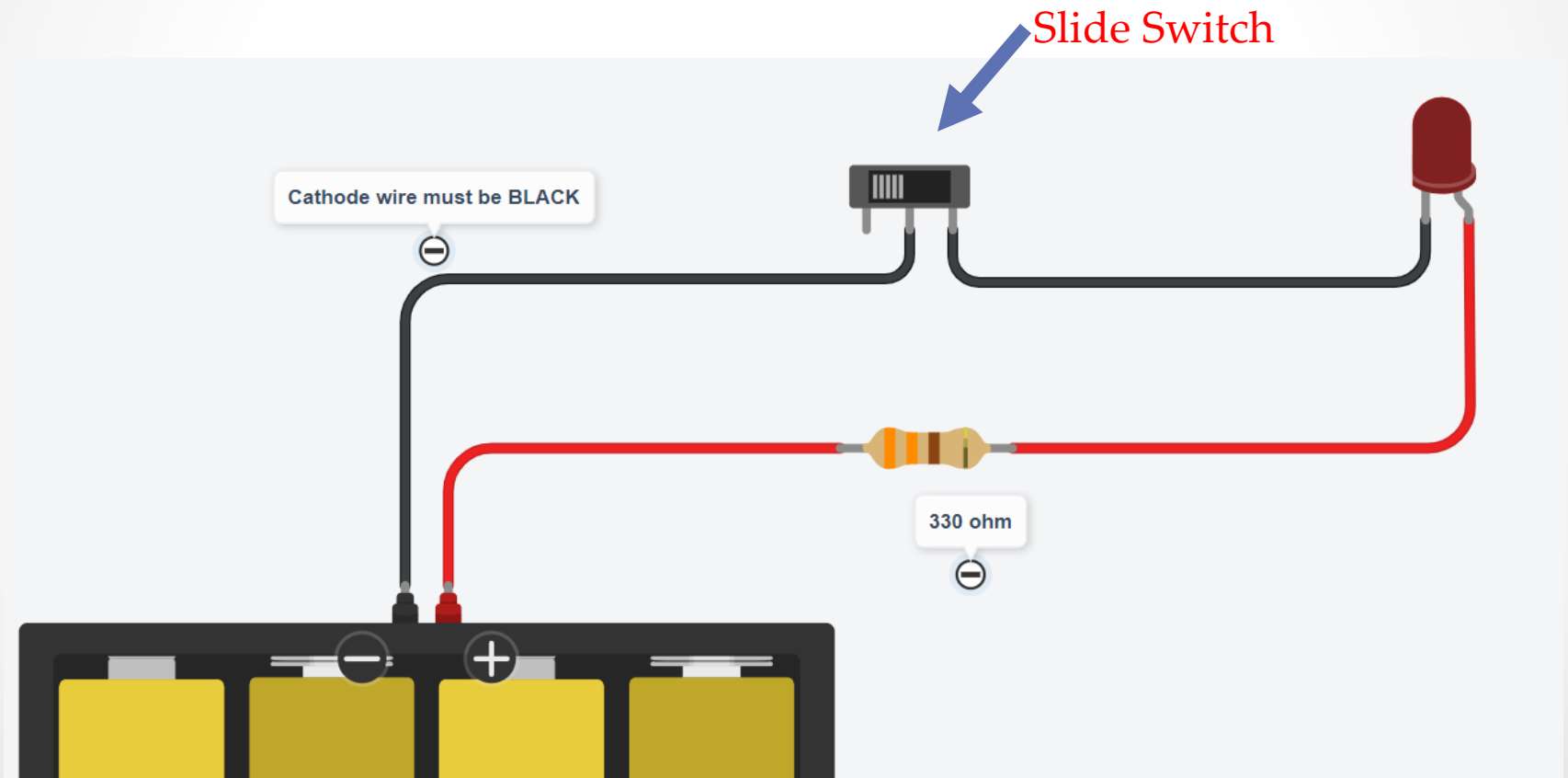
The circuit consists of an LED, a voltage supply and a resistor to regulate the current and voltage.



Simple LED circuit on TinkerCad



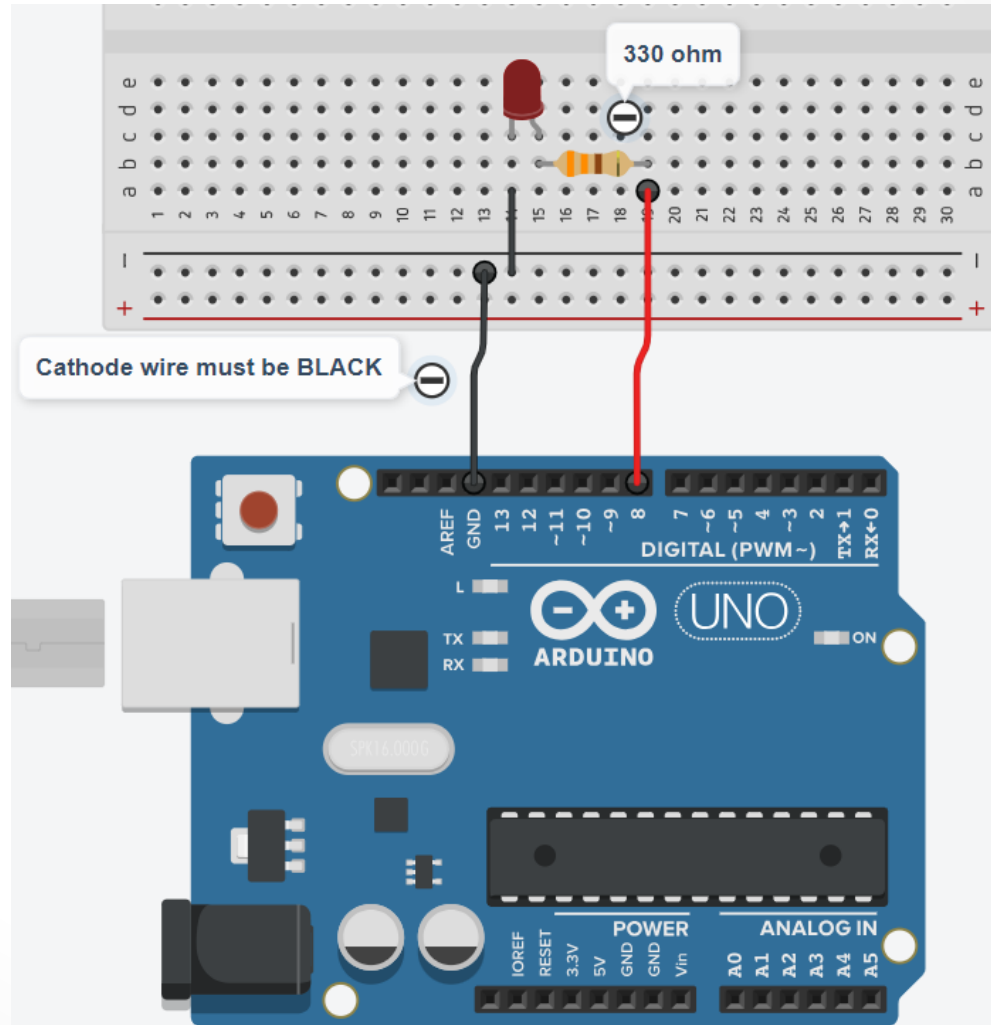
Simple LED and SWITCH circuit on TinkerCad



Led blink using hardware

Place these components one by one

1. Arduino
2. Breadboard
3. LED
4. Resistor
5. Jumper Wires



PLUG AND PLAY!

Explanation of code

Set Pin number

Set pin ON/OFF
HIGH means ON
LOW means OFF

`digitalWrite` is a command
to turn ON or OFF the pin

```
digitalWrite(1, HIGH);  
delay(1000); // Wait for 1000 millisecond(s)  
digitalWrite(1, LOW);  
delay(1000); // Wait for 1000 millisecond(s)
```

Delay means wait time
1000ms = 1 seconds



**Thanks for your
attention !**

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