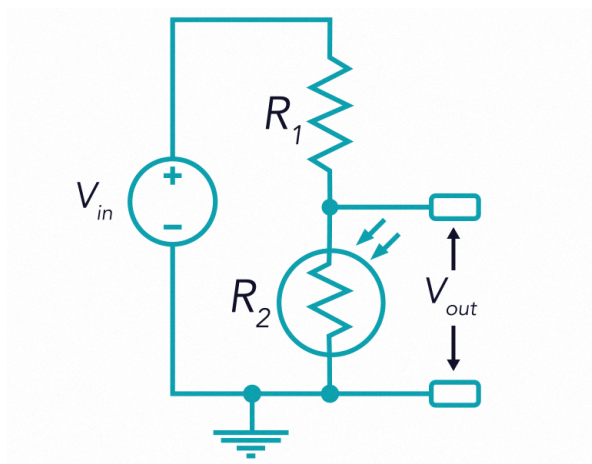## Photoresistor Circuit

This circuit creates a variable voltage divider using a photoresistor. By measuring the output voltage, you can calculate the resistance of the photoresistor to determine whether it is in the light or dark. The circuit was demonstrated using an Arduino microcontroller to provide the 5 V power source and to measure the output voltage.

Components

- 5 V power source (use 5 V line from Arduino microcontroller)

- Photoresistor

- 4.7 kΩ resistor

Schematic

Circuit