

TROUBLESHOOTING

Nothing is printing in the Serial Monitor

Try unplugging your USB cable and plugging it back in. In the Arduino IDE, go to Tools > Port, and make sure that you select the right port.

The light never turns on or always stays on

Start the Serial Monitor in Arduino. Look at the value that the photoresistor is reading in a bright room (e.g., 915). Cover the photoresistor, or turn the lights off. Then look at the new value that the photoresistor is reading (e.g., 550). Set the threshold in between these two numbers (e.g., 700) so that the reading is above the threshold when the lights are on and below the threshold when the lights are off.

You've completed
Circuit 1C!

Continue to circuit 1D to learn about RGB LEDs, functions and pulse-width modulation.

BLINKING
AN LED



READING A
POTENTIOMETER



READING A
PHOTORESISTOR



RGB NIGHT-LIGHT

