

Name:

Date:

Class:

Coding Sheet

```
from gpiozero import LED
from ptprotoplus import adc
from time import sleep
from multiprocessing import Process
```

```
uvled = LED(4)
redled = LED(10)
irled = LED(11)
light = adc.ADCProbe()
```

```
print("Transmitting")
def loop1():
    while 1:
        uvled.on()
        sleep(3)
        print(light.read_value(0))
        uvled.off()
        redled.on()
        sleep(3)
        print(light.read_value(0))
        redled.off()
        irled.on()
        sleep(3)
        print(light.read_value(0))
        irled.off()
def loop2():
    while 1:
        if light.read_value(0) > 120:
            print("receiving")
            sleep(2)
        else:
            print("...")
            sleep(2)
if __name__ == '__main__':
    lights = Process(target=loop1)
    sensor = Process(target=loop2)
    lights.start()
    sensor.start()
    lights.join()
    sensor.join()
```

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