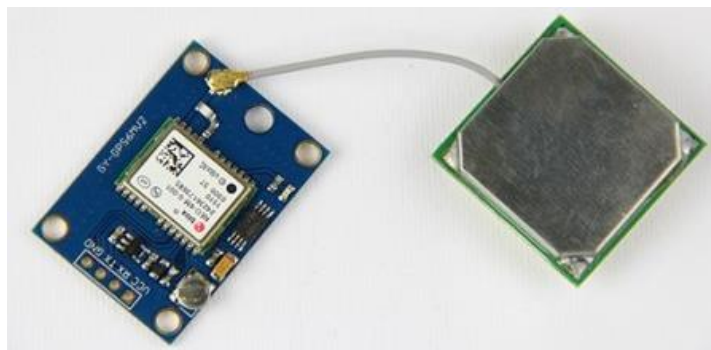


Hardware:

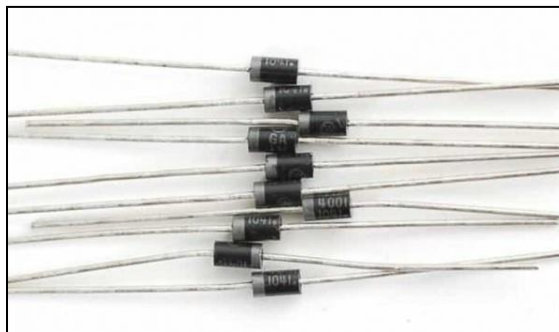
1. Arduino UNO Rev3.
2. Male-to-male jumper wires.
3. Sim800L.



4. U-blox neo-6m GPS.



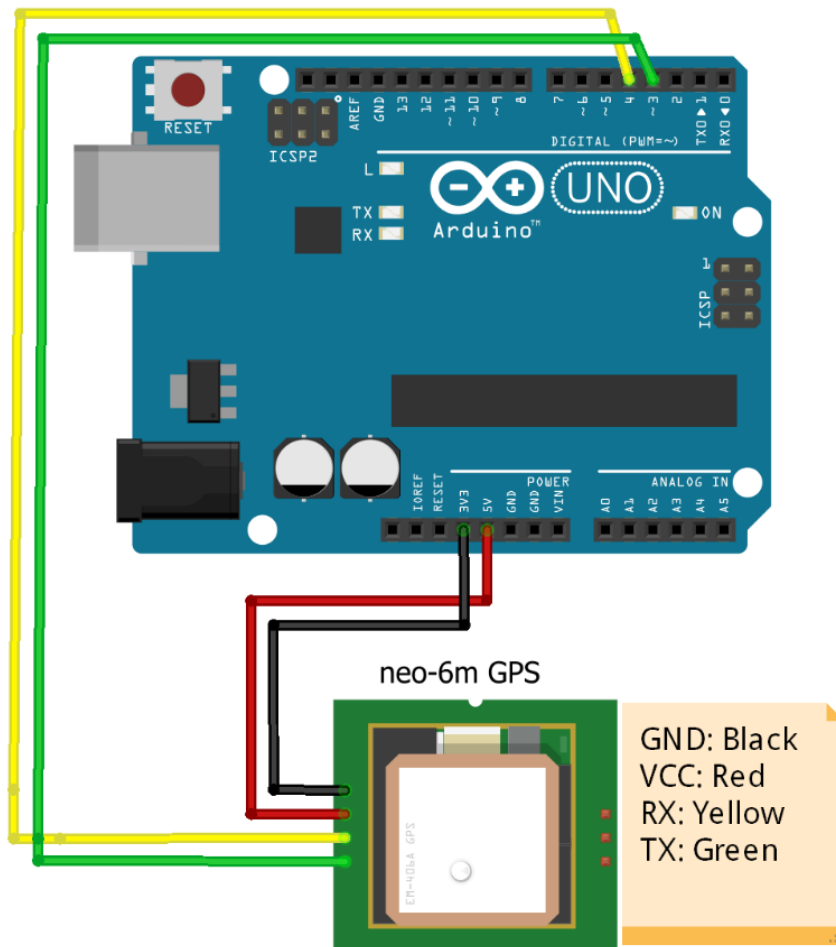
5. 1N4001 diode.



Neo-6m connection with Arduino

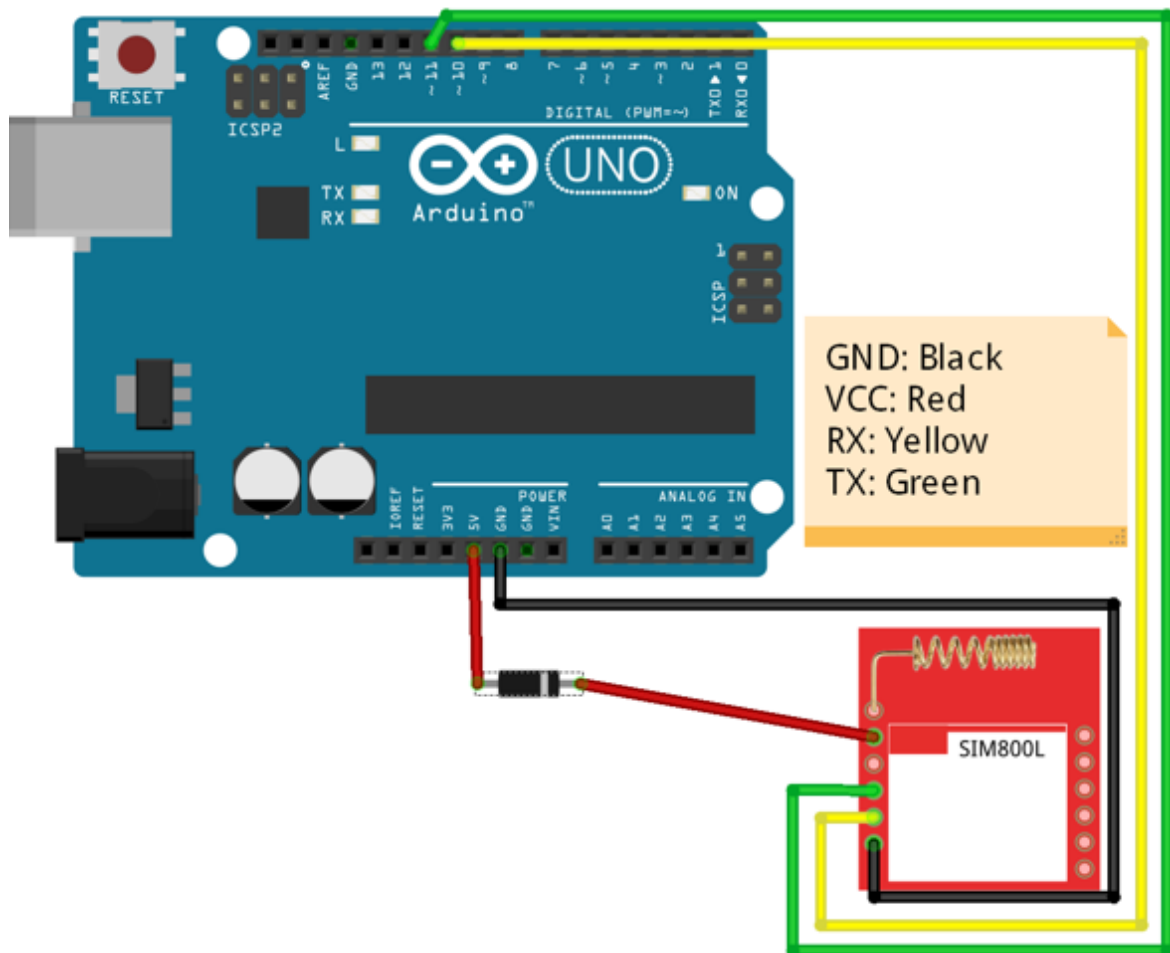
Arduino Uno Rev3 pin	Neo-6m	Wire color
5v	VCC	Red
Pin 4	RX	Yellow

Pin 3	TX	Green
GND	GND	Black

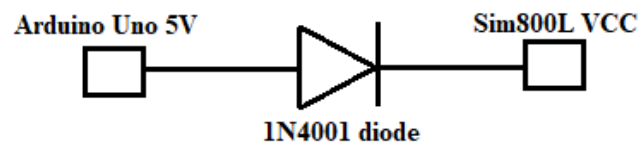


Sim800L connection with Arduino

Arduino Uno Rev3 pin	Sim800L	Wire color
5v	VCC	Red
Pin 10	RX	Yellow
Pin 11	TX	Green
GND	GND	Black



The connection between Arduino Uno 5V and sim800L VCC through a 1N4001 diode:



So, the full circuit will look like this:

