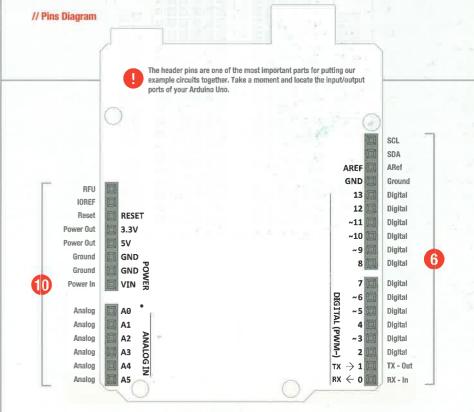


## **Arduino Uno**

- Power In (Barrel Jack) Can be used with either a 9V or 12V wall-wart or battery.
- Power In (USB Port) Provides power and communicates with your board when plugged into your computer via USB.
- (RX: Receiving) This shows when the Arduino is receiving data (such as when being programmed).
- 4 LED (TX: Transmitting) This shows when your Arduino is transmitting data (such as when running a program).
- (5) LED (Pin 13: Troubleshooting) This LED is incorporated into your sketch to show if your program is running properly.
- 6 Pins (ARef, Ground, Digital, Rx, Tx) These various pins can be used for inputs, outputs, power, and ground. // See Diagram Below
- **7** LED (Indicates Arduino is ON) This is a simple power indicator LED.
- 8 Reset Button This is a way to manually reset your Arduino, which makes your code restart.
- 19 ICSP Pins (Uploading Code without Bootloader) This is for "in-Circuit Serial Programming," used if you want to bypass the boot loader.
- 10 Pins (Analog In, Power In, Ground, Power Out, Reset) These various pins can be used for inputs, outputs, power, and ground. // See Diagram Belov



→ = PWM/Analog out compatible (i.e. ~ 3)

