

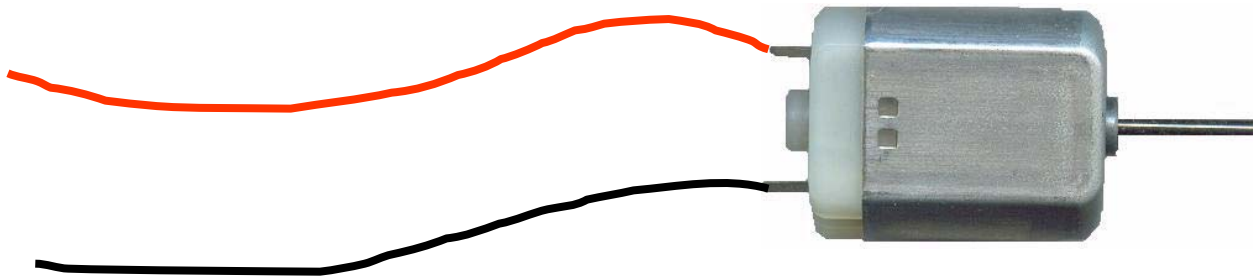
week 06

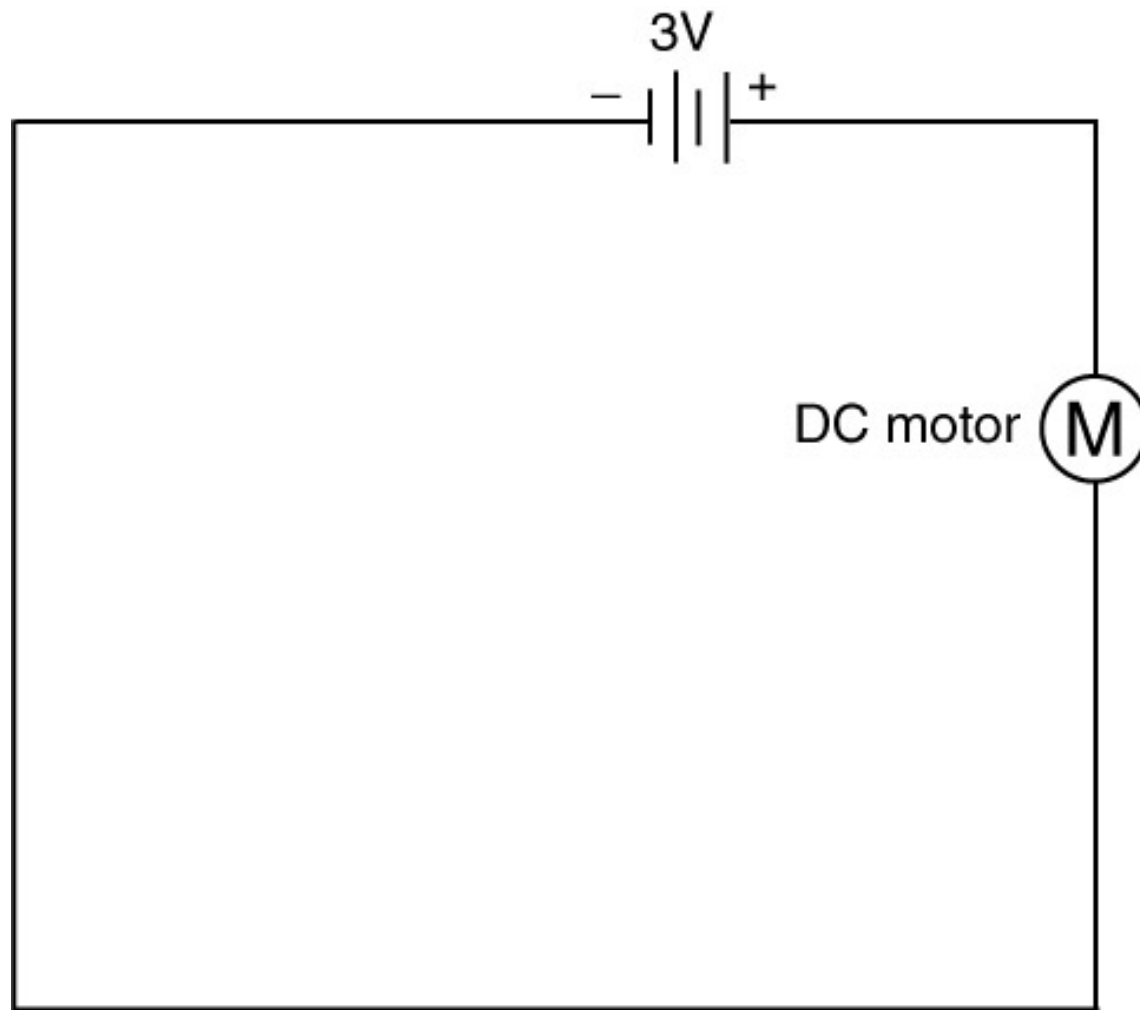


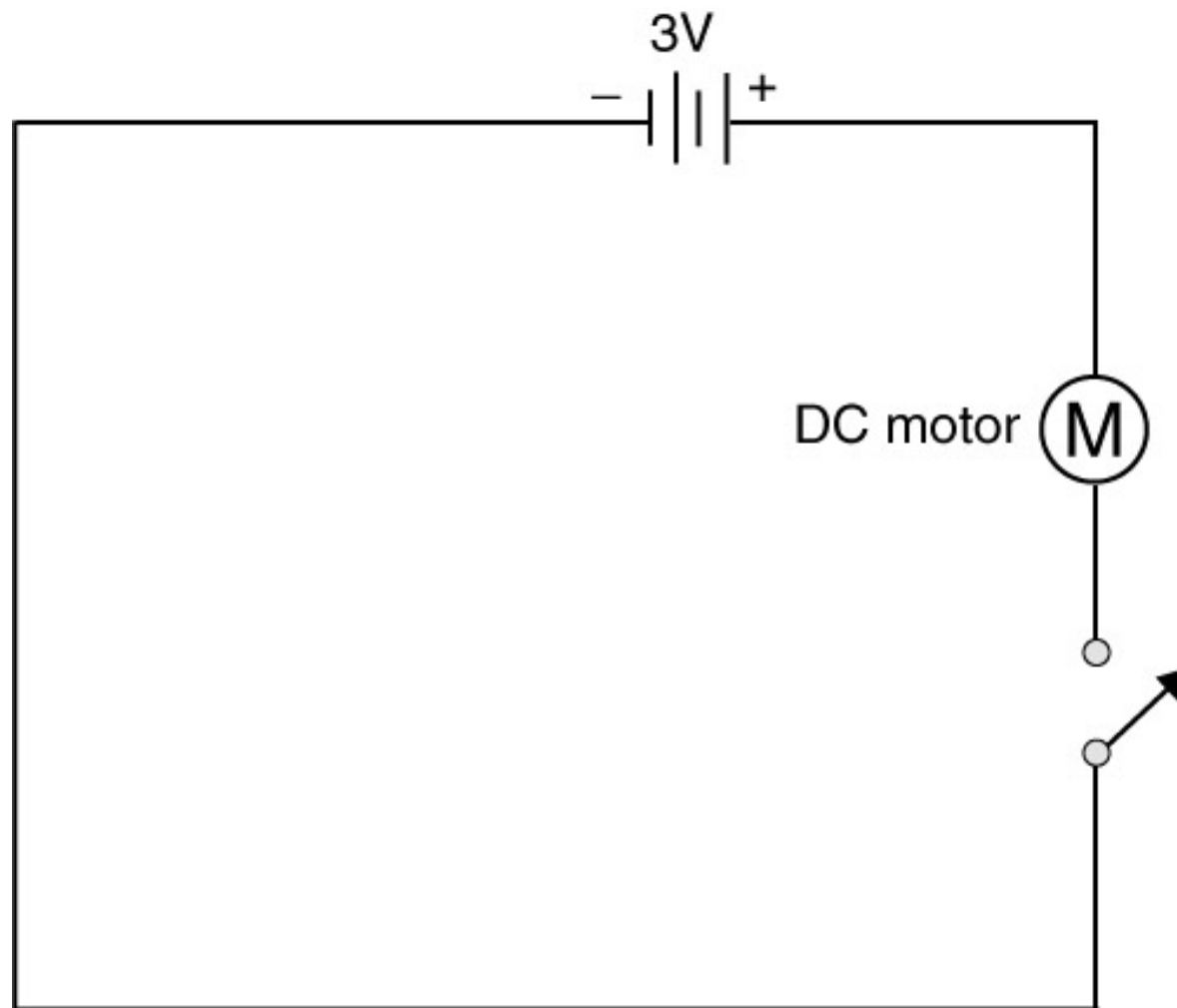
Output 2: DC Motors

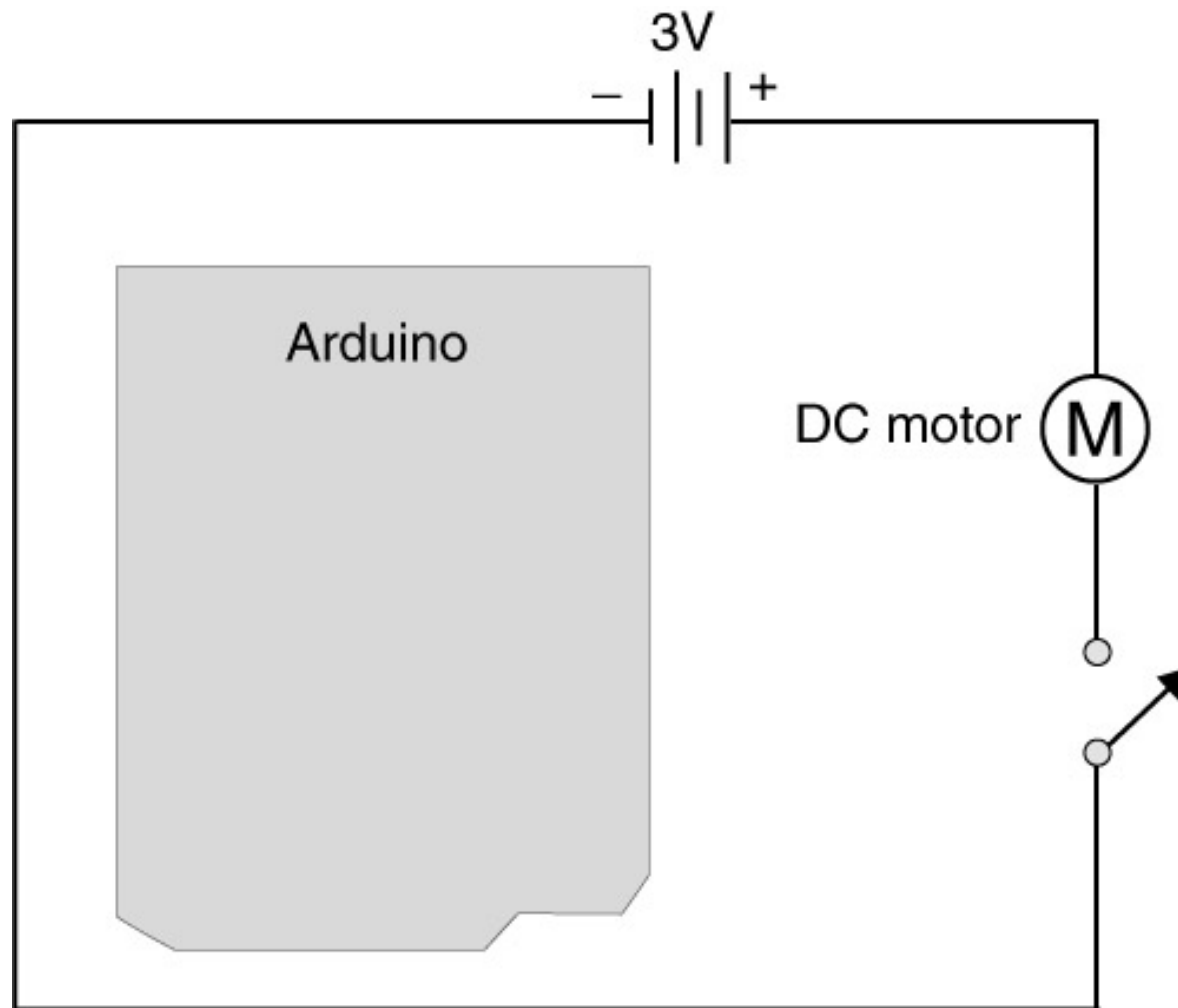
Making motions

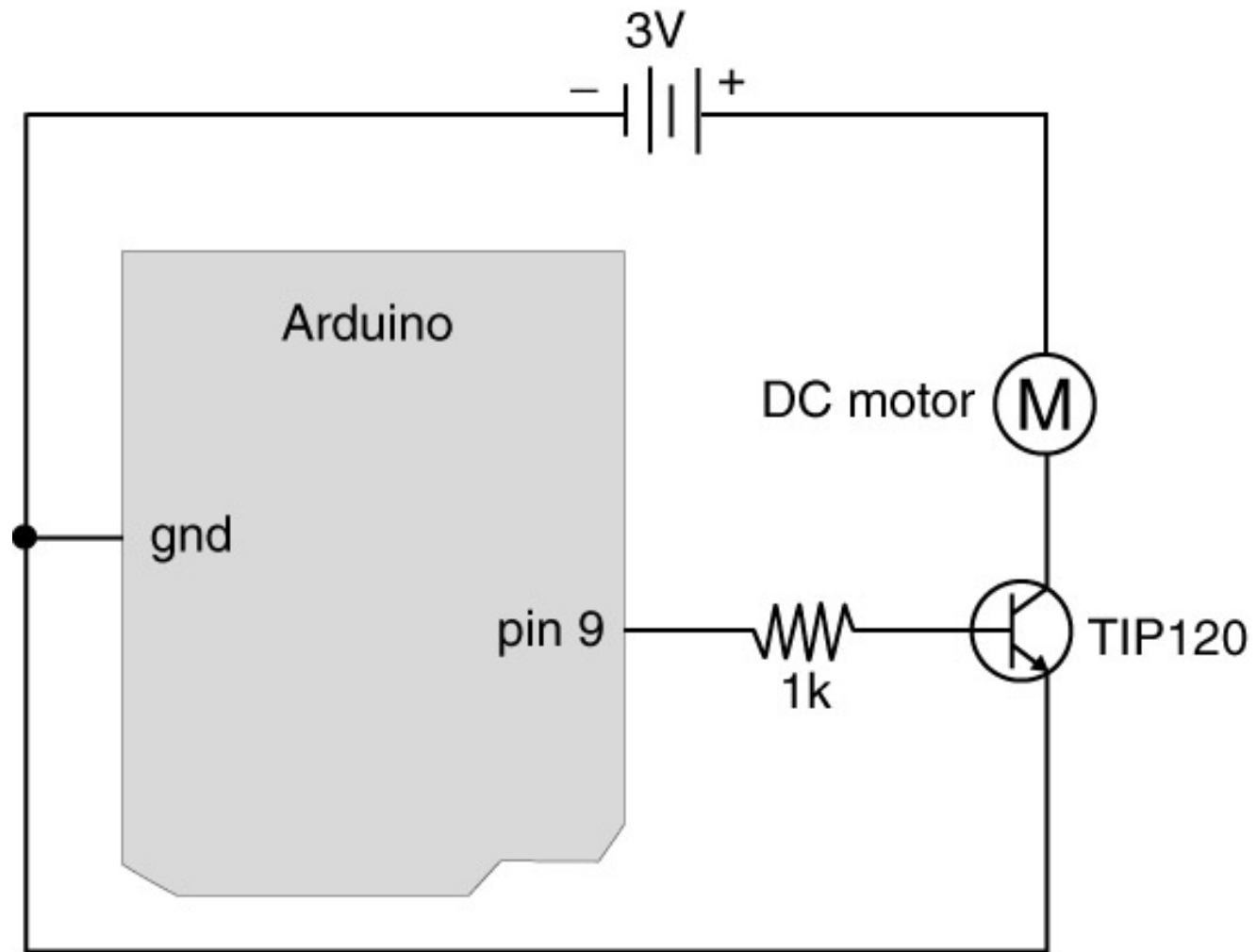
DC Motor

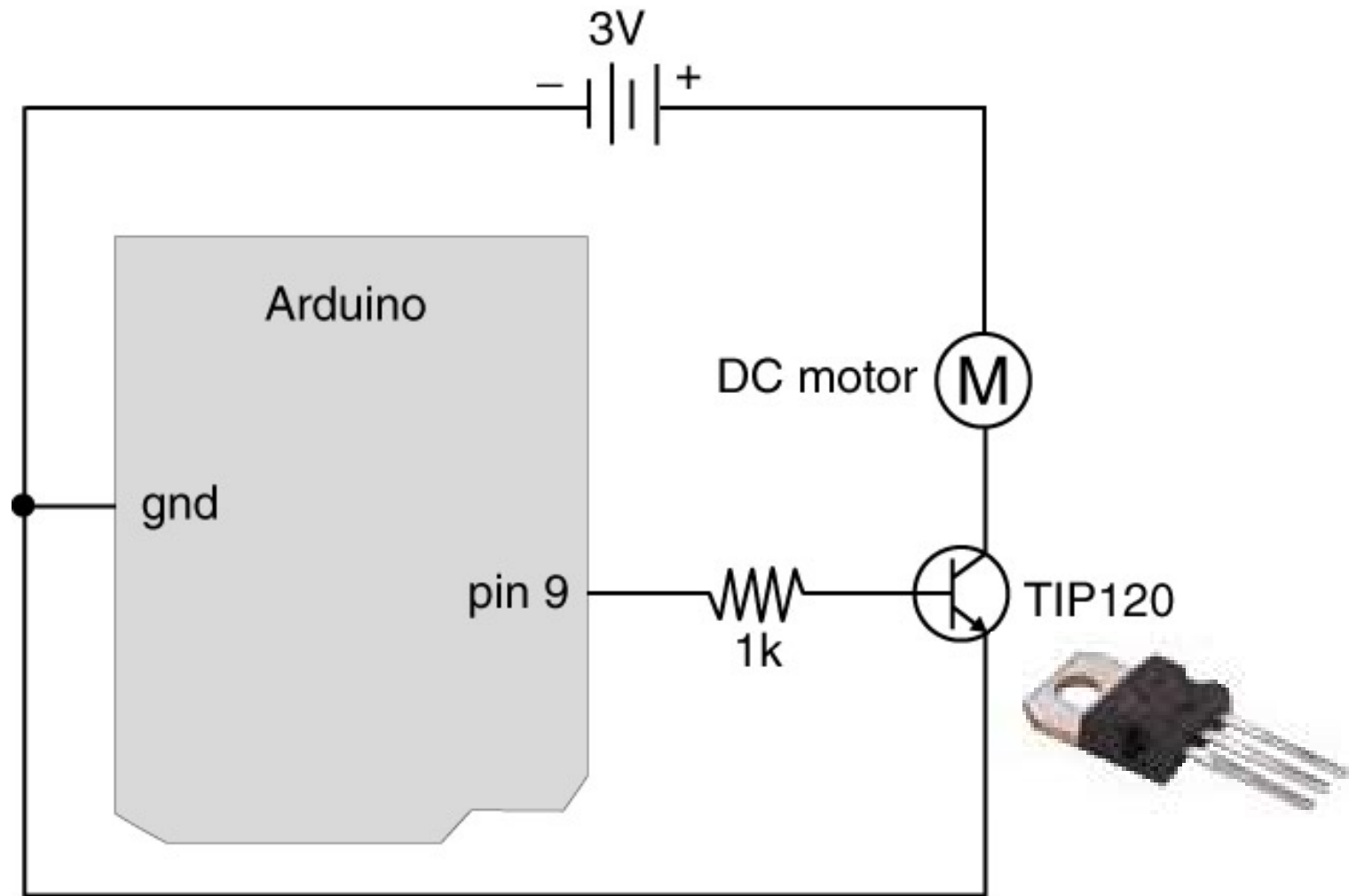




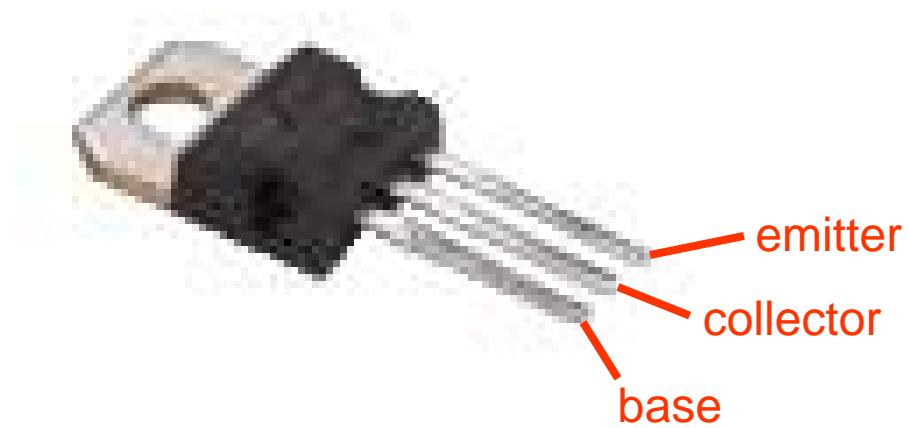


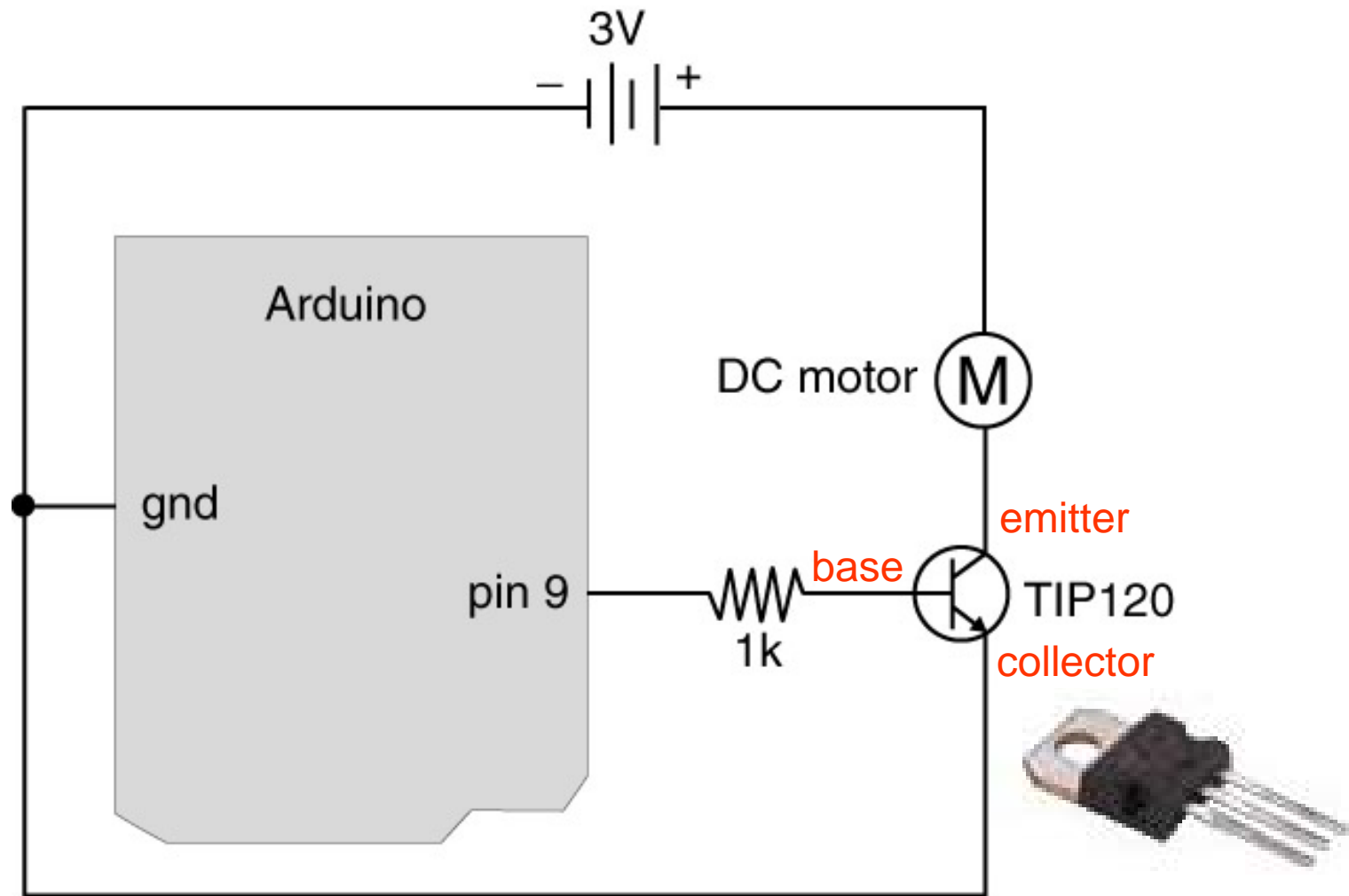


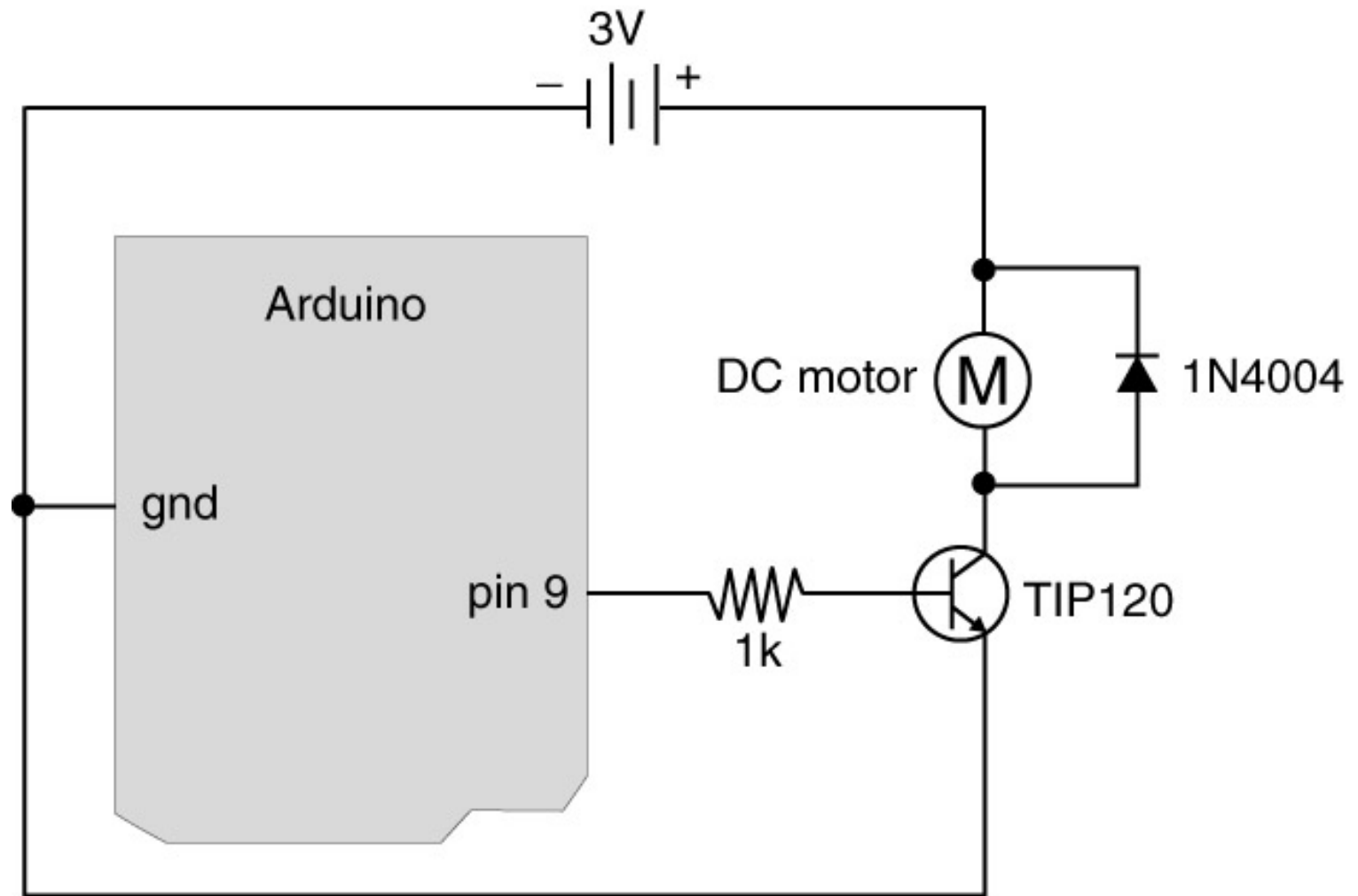


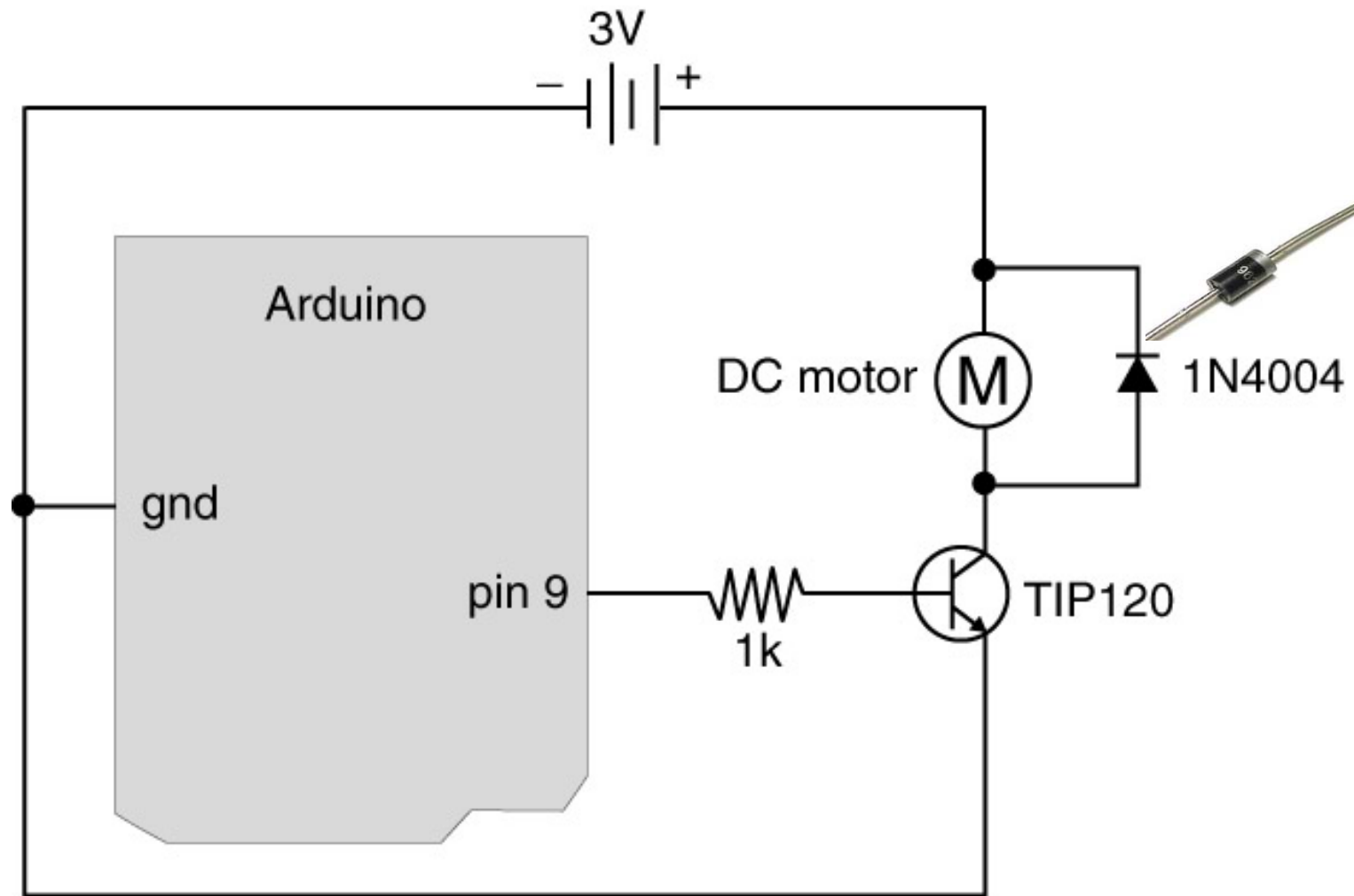


Transistor





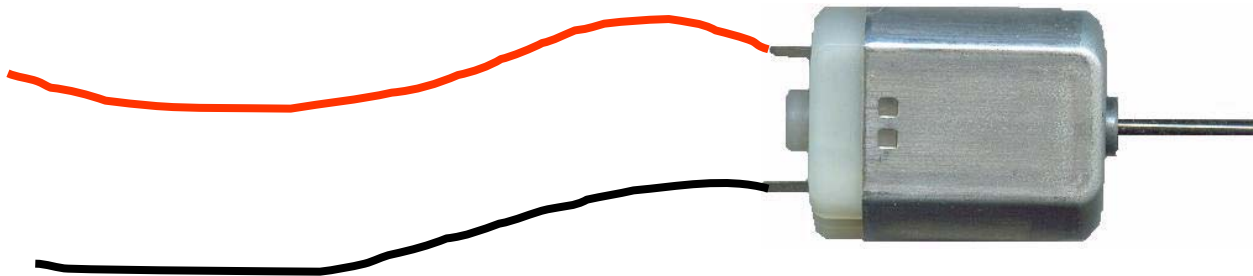




In Class Exercise

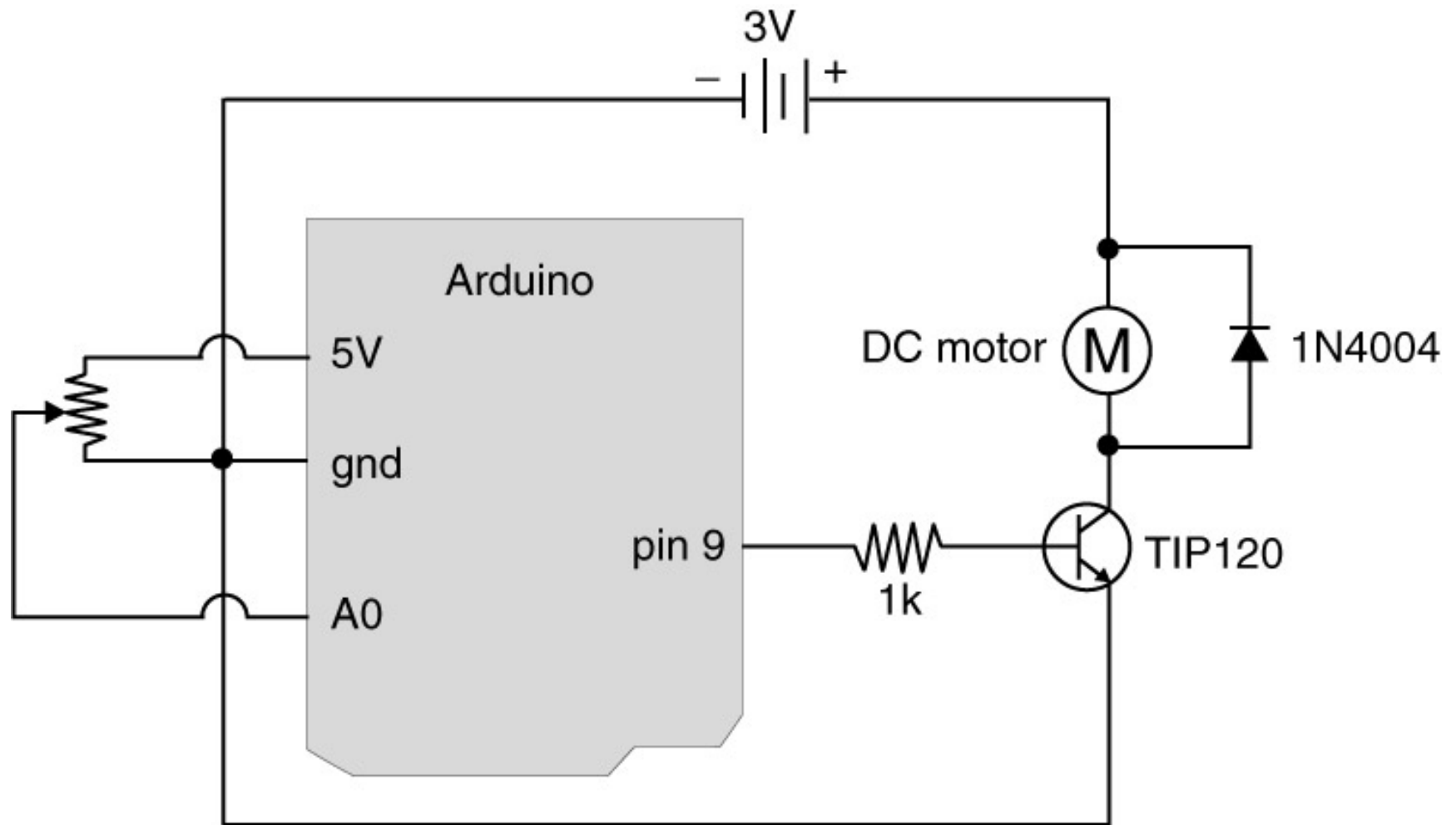
- 1. Solder wires to the motor**
2. Build the DC motor circuit
3. Try your input sensors
4. Explore different propellers and eccentric weights

DC Motor



In Class Exercise

1. Solder wires to the motor
- 2. Build the DC motor circuit**
3. Try your input sensors
4. Explore different propellers and eccentric weights



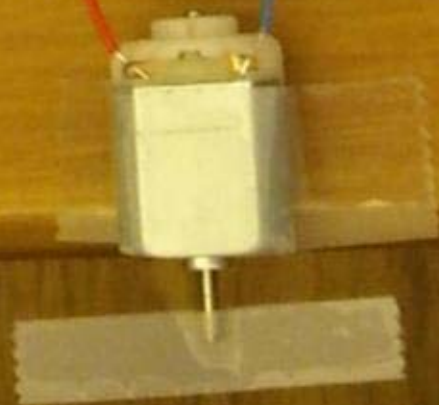
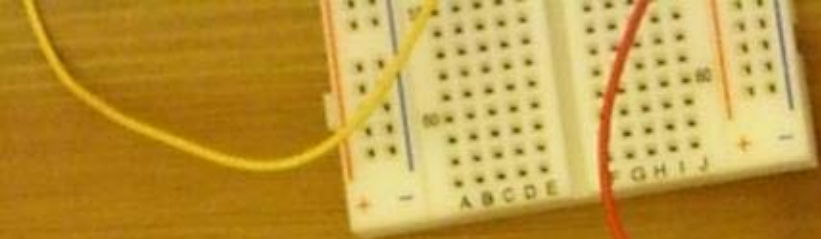
In Class Exercise

1. Solder wires to the motor
2. Build the DC motor circuit
- 3. Try your input sensors**
4. Explore different propellers and eccentric weights

PotControlsMotor

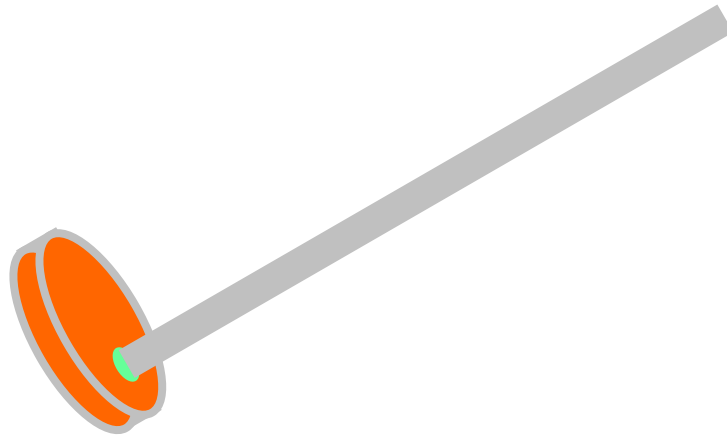
In Class Exercise

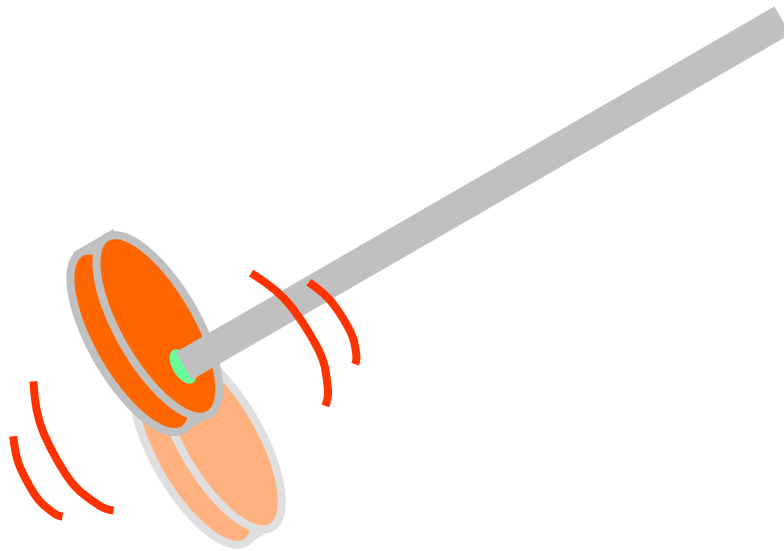
- 1. Solder wires to the motor**
- 2. Build the DC motor circuit**
- 3. Try your input sensors**
- 4. Explore different propellers and eccentric weights**



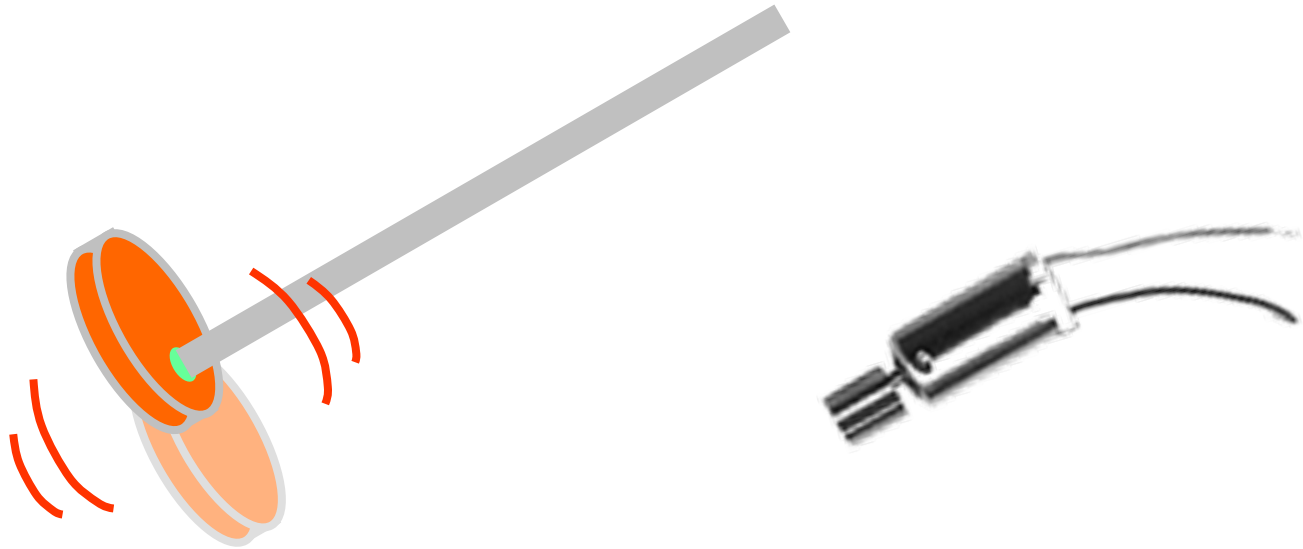
Cork Eccentric Weight

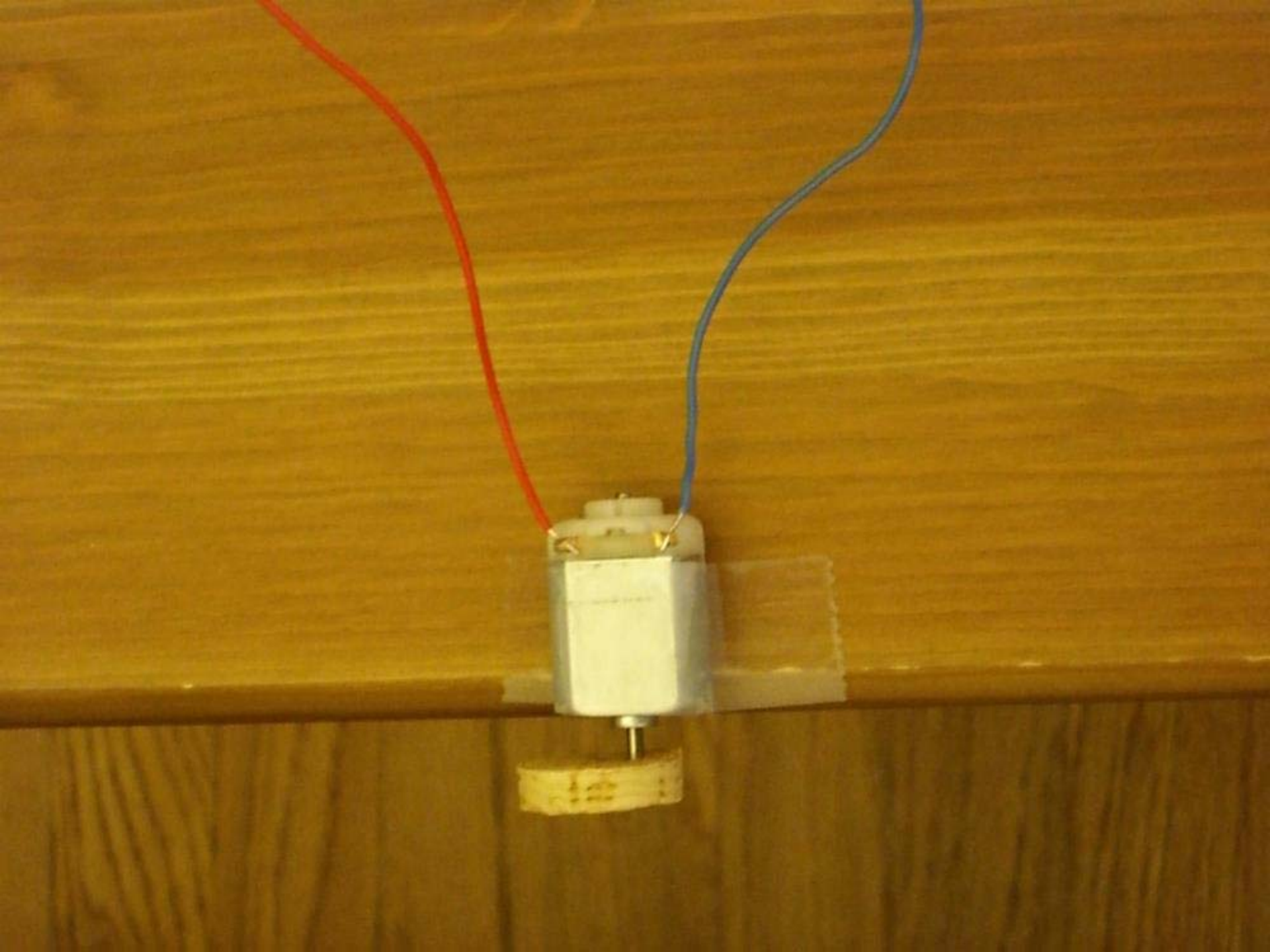






Eccentric Weight





Supplement Reading

Making Movement: Chapter 10 of O'Sullivan and Igoe.

Homework

Explore motion as an output (in a form of display or tactile feedback). Use your DC motor to create vibration or rotational motion (e.g., pinwheels, dancing wires, etc.).

Optional: Combine it with other output (sound, lights, etc.)

Thanks!