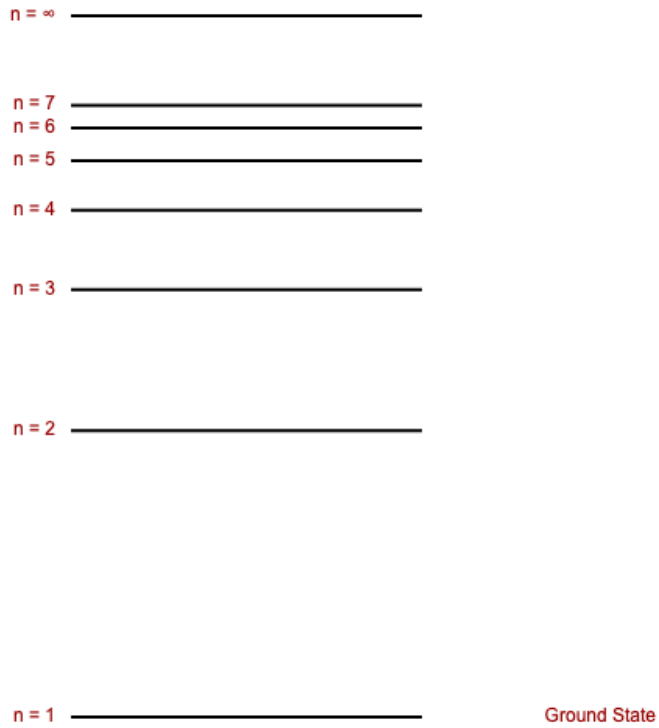


# Light from Atom

Step 1: Complete the energy level diagram below by showing the energy of each level in eV as well as the starting and ending level of your electron. Show your transition arrow also.



Step 2: Calculate the energy of the emitted photon in J. Then find its frequency in Hertz and wavelength in nm. Show all your work below.

Step 3: Enter your answers into your program to verify that you did everything correctly