QUIZ # 3 - PHYS 300 (Mendes, spring 2010)

Name:

(60 credits)
1. Calculate the three longest wavelengths in the Lyman series ($n_f = 1$).

(30 credits)
2. The transition from the first excited state to the ground state in potassium results in the emission of a photon with wavelength of 770 nm. If potassium vapor is used in a Franck-Hertz experiment, at what voltage would you expect to see the first decrease in current.