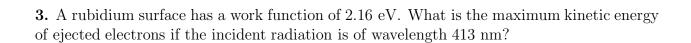
Name_		

Phys 2020 (NSCC), Spring 2008 Problem Set #11

1. Find the wavelength and frequency of a photon of energy 3.1 eV.

2. The minimum energy required to remove an electron from a metal is 2.60 eV. What is the longest wavelength photon that can eject an electron from this metal?



4. What are the de Broglie wavelengths of electrons with the following values of kinetic energy? (a) 1.0 eV. (b) 1.0 keV.