

AST 250 – Spring 2018

Homework Due: Monday January 29

8. Complete the following table of wavelengths, frequencies, and energies in the units requested. Also say which region of the electromagnetic spectrum (i.e. gamma ray, xray, UV, optical, IR, radio) that the light is emitted in.

	Wavelength	Frequency	Energy
Yellow light	550 nm	THz	eV
Hydrogen Spin-Flip Transition	cm	1420 MHz	μeV
Hydrogen Ionization Energy	Angstroms	-----	13.6 eV

