

Homework 1

Chapter 1

Problems 1,7,8,11,14

1) Frequency $\nu = c/\lambda$

Energy of a photon (quantum) = $h\nu$

Appendix 17 pp. 528

$c = 2.998 \times 10^8 \text{ m/s} = 2.998 \times 10^{18} \text{ Å/s}$

$h = 6.626 \times 10^{-34} \text{ Joule sec}$