Name
Date

Wavelength, Frequency, Quantum and Average Atomic Mass Wkst

1.What is the wavelength of a light with the frequency of 1.81×10^{-14} Hz?

2.What is the frequency of a light with the wavelength of 680nm?

3.What is the energy of the light wave in problem #2?

4.What is the energy of light with the wavelength 1230nm?

5. Calculate the energy of a quantum of radiant energy, whose frequency is 3.82×10^{-14} Hz. Show work!

6.According to the formula $c =$, as frequency gets larger (higher) the wavelength gets _____

7.What is the energy of light with the wavelength 732 nm(nanometers)?

8.A certain light has a wavelength of 923 nm. What is its frequency?

9. What is the energy of light with the wavelength of 943nm?

10. What is the frequency of a light with the wavelength of 860nm?

11. What is the energy of the light wave in # 10?