

Name: _____ Date: _____ Period: _____

X- ray beam

1. x-rays are types of what kind of radiation
 2. Scientists found that EM radiation behaves as a _____ and other times as a _____
 3. Electromagnetic radiation has no ?
 4. Electromagnetic radiation travels at
 5. hard x-rays have a wavelength of about
 6. Velocity is
 7. Increase energy of the wave increases ?
 8. Amplitude is
 9. unit of frequency
 10. One cycle
 11. frequency is doubled wavelength is
 12. One of the most important characteristics in a x-ray
 13. If wavelenth decreases, frequency
 14. most x-ray wavelenths =
 15. wave length formula
 16. Visible light is in the _____ of the spectrum
 17. Blue and violet have _____ wave length and _____ energy
 18. Intensity is decreased by a factor of
 19. Quantity =
 20. Quality =
 21. Beams of photons exiting tube before hitting patient
- A. 4
 - B. 0.1 to 10 nanometers
 - C. elctromagnetic
 - D. increases
 - E. Wave length
 - F. height of wave
 - G. Remnant radiation
 - H. how fast the radiation moves
 - I. mAs
 - J. max. height of peak & valleys
 - K. center
 - L. 186,000 miles/sec
 - M. 1 peak and 1 valley
 - N. wave, particle
 - O. shorter and higher
 - P. hertz (Hz)
 - Q. charge or mass
 - R. 100 picometer
 - S. Primary Radiation
 - T. $C=f\lambda$
 - U. halved

22. Beams that exit the patient and produces an image V. kVp