Pulsed Wave Timing

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| **Across****2.** The equation (period)x(# of cycles) determines \_\_\_\_\_\_\_\_.**3.** The equation (SPL/2) determines \_\_\_\_\_\_\_\_\_.**4.** \_\_\_\_\_\_\_\_\_ refers to the physical dimension that the pulse occupies in space. **8.** A short wavelength = \_\_\_\_\_\_\_\_ frequency and better resolution.**12.** As frequency increases, the \_\_\_\_\_\_\_\_\_\_ decreases. **13.** Pulse repetition is directly related to \_\_\_\_\_\_\_\_\_.**15.** The equation (propagation speed)/(wavelength) determines?**16.** Duty factor is \_\_\_\_\_\_\_ related to imaging depth. **17.** PD relates to \_\_\_\_\_\_\_. **19.** If PRP is \_\_\_\_\_\_\_\_\_, DF will be larger. **21.** If wavelength increases, SPL \_\_\_\_\_\_\_\_\_.**24.** PRF is the \_\_\_\_\_\_\_ of PRP.**27.** \_\_\_\_\_\_\_\_\_\_\_ is the percentage of time that sound is actually being produced.**28.** The units for wavelength are \_\_\_\_\_\_.**29.** When PRP increases, \_\_\_\_\_\_\_\_\_ decreases.  | **Down****1.** The distance from the beginning of one cycle to the end of it is?**5.** The time it takes for a pulse to occur is \_\_\_\_\_\_\_\_\_\_. **6.** The units for frequency are \_\_\_\_\_\_\_.**7.** The units of PD are \_\_\_\_\_\_\_\_\_\_.**9.** A \_\_\_\_\_\_ in pulse length will occur when wavelength is decreased. **10.** Pulse duration is determined by the \_\_\_\_\_\_\_\_\_.**11.** The "bigness" of a wave is \_\_\_\_\_\_\_\_.**14.** PRF changes when \_\_\_\_\_\_\_ is adjusted. **18.** The units for SPL are \_\_\_\_\_\_\_\_\_\_.**20.** Propagation speed is the speed that a sound wave travels through?**22.** \_\_\_\_\_\_\_\_\_\_ can be calculated by multiplying the number of cycles by the wavelength. **23.** \_\_\_\_\_\_\_\_\_ includes "on" and "off" times.**25.** The PRP will be decreased by half of the PRF is \_\_\_\_\_\_. **26.** The \_\_\_\_\_\_ the propagation speed, the longer the wavelength.  |