

1. True
  2.  $2.5/5=0.5$   
 $1/0.5=2$  sec
- The frequency of the wave is equal to the speed divided by the wavelength which is 0.5.  
The period is the inverse of the frequency which is 2.
3. 0.5
  4. Destructive interference is when waves combine where the resulting wave is smaller than the original waves
  5. Primary waves
  6. A: wavelength, B: distance, C: amplitude
  7. B
  8. amplitude
  9. P-waves
  10. B
  11. Constructive interference is when waves combine where the resulting wave is bigger than the original waves
  12. B
  13. Period
  14. C
  15. B
  16. Destructive Interference
  17. Gamma Waves
  18. UV radiation is used in therapy, but it can damage the skin.
  19. thermal-vision
  20. B