

Wave Practice Test Answer Key

1. Crest	2. Trough
3. Amplitude	4. Period
5. Wavelength	6. Wave Speed
7. Frequency	8. Medium
9. Light Wave	10. Seismic
11. Transverse	12. Water Wave
13. Mechanical Wave	14. Longitudinal Wave
15. Sound Wave	16. Energy
17. Interference	18. Vibration
19. Reflection	20. Diffraction
21. Refraction	22. Doppler Effect
23. 6 meters	24. 0.5 meters
25. 2 waves/second	26. sound, seismic and mechanical
27. Light, w-rays, and radio	28. b. color
29. b. frequency	30. a. volume
31. b. wavelength	32. c. energy
33. b. electromagnetic waves	34. c. all of these
35. a. water	36. d. transverse waves
37. b. medium	38. c. Hertz
39. b. the frequency of X rays is greater	40. b. y/x
41. a. multiply frequency x wavelength	42. Use $v = f \times \lambda$ answer is 520 m/s
43. Use $f = \text{waves} / \text{second}$ answer is 2 Hertz	44. Use $P = 1 \div f$ answer is 10 seconds
45. Use $v = f \times \lambda$ answer is 20 m/s	46. Use $v = f \times \lambda$ answer is 4 m
47. Use $f = \text{waves} / \text{second}$ answer is 0.2 Hertz	48. Use $v = f \times \lambda$ answer is 2 m/s
49. Use $v = f \times \lambda$ answer is 1.42 m	50. Use $v = f \times \lambda$ answer is 5.2×10^{-7} m