

Name: _____

PHYSICS I – MECHANICS VOCABULARY ACCELERATION
Chapter 11: Vibrations and Waves

DIRECTIONS: Define the following words from the chapter. (Note: “†” means it is located twice in the chapter. Include both definitions. “*” means read the section to define the vocabulary term.)

1. Vibrates (11-1)
2. Oscillates (11-1)
3. Periodic (11-1)
4. Equilibrium Position (11-1)
5. Displacement (11-1)
6. †Amplitude (11-1)
7. Cycle (11-1)
8. †Period (11-1)
9. †Frequency (11-1)
10. Simple Harmonic Motion (11-1)
11. Simple Harmonic Oscillator (11-1)
12. Sinusoidal (11-3)
13. Simple Pendulum (11-4)
14. Damped Harmonic Motion (11-5)
15. Underdamped (11-5)
16. Overdamped (11-5)
17. Critical Damping (11-5)
18. Forced Vibration (11-6)
19. Natural Frequency (11-6)
20. Resonance (11-6)
21. Resonant Frequency (11-6)
22. Mechanical Waves (11-7)
23. Pulse (11-7)
24. Continuous Wave (11-7)
25. Periodic Wave (11-7)

26. †Amplitude (11-7)
27. Wavelength (11-7)
28. †Frequency (11-7)
29. †Period (11-7)
30. Wave Velocity (11-7)
31. Transverse Waves (11-8)
32. Longitudinal Waves (11-8)
33. Intensity (11-10)
34. Wave Fronts (11-11)
35. Ray (11-11)
36. Plane Waves (11-11)
37. Interference (11-12)
38. Principle of Superposition (11-12)
39. Destructive Interference (11-12)
40. Constructive Interference (11-12)
41. Phase (11-12)
42. In Phase (11-12)
43. Out of Phase (11-12)
44. Standing Wave (11-13)
45. Nodes (11-13)
46. Antinodes (11-13)
47. Natural Frequencies (11-13)
48. Resonant Frequencies (11-13)
49. Fundamental Frequency (11-13)
50. Overtones (11-13)
51. Harmonics (11-13)
52. First Harmonic (11-13)
53. Second Harmonic (11-13)
54. Refraction (11-14)
55. Diffraction (11-15)