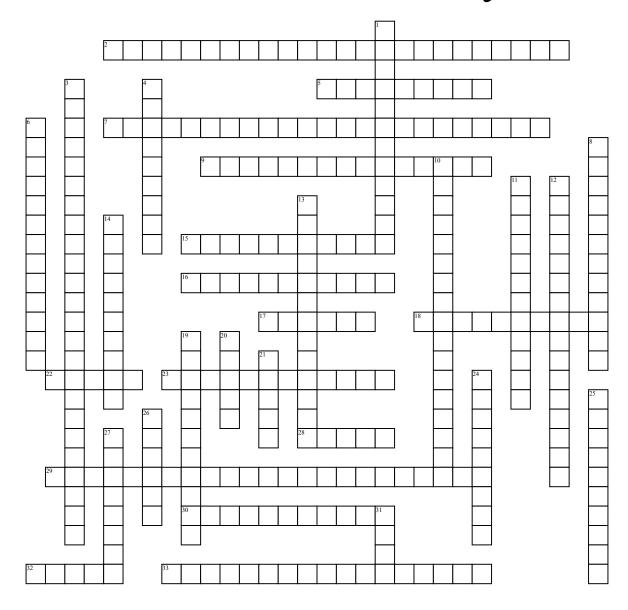
Name:	Date:	Period:

Waves Vocabulary



Across

- 2. the resultant of similar vector quantities at a point is a function of the sum of the individual quantities
- 5. the displacement of a wave from zero
- 7. the entire distribution of electromagnetic radiation according to frequency or wavelength 9. when a ray of light reflects off a surface, the angle of
- incidence is equal to the angle of reflection
- 15. a ray of light that is pointing towards and striking a surface.
- 16. the bending of waves around obstacles or corners 17. the time taken for one complete cycle of vibration to
- pass a given point 18. the change in direction of a wave passing from one medium to another caused by its change in speed
- 22. the periodic and repeating fluctuations heard in the intensity of a sound when two sound waves of very similar frequencies interfere with one another
- 23. rays of light or similar radiation exhibit different
- properties in different directions

 28. the point on a wave with the maximum value or upward displacement within a cycle
- 29. the interference of two waves of equal frequency and opposite phase, resulting in their cancellation where the negative displacement of one always coincides with the positive displacement of the other

- 30. a periodic motion that repeats itself in a regular cycle 32. a single disturbance that moves through a medium from
- one point to the next point 33. the angle made by a reflected ray with a perpendicular
- to the reflecting surface.

- 1. the light that is reflected
- 3. the interference of two or more waves of equal frequency and phase, resulting in their mutual reinforcement and producing a single amplitude equal to the sum of the amplitudes of the individual waves.
- 4. the refraction of light in any situation, regardless of what the two media are
- 6. the change in frequency or wavelength of a wave in relation to an observer who is moving relative to the wave source
- 8. the net effect of the combination of two or more wave trains moving on intersecting or coincident paths
- 10. measure of the extent to which a substance slows down light waves passing through it
- 11. a wave whose displacement has a periodic variation with time or distance, or both
- 12. the angle that a line (such as a ray of light) falling on a surface or interface makes with the normal drawn at the point of incidence
- 13. electromagnetic radiation of a single frequency

- 14. the wavelength is the spatial period of a periodic
- wave—the distance over which the wave's shape repeats. 19. the act or process of propagating, especially the process by which a disturbance, such as the motion of
- electromagnetic or sound waves, is transmitted through a medium such as air or water
- 20. a stage or fraction in the cycle of an oscillation, such as the wave motion of light or sound waves
- 21. equivalent to the frequency of sound waves, which are any compression waves in a medium
- 24. the number of waves that pass a fixed point in unit time
- 25. the return of light or sound waves from a surface
- 26. the lowest point on a wave
- 27. the region of maximum amplitude between two adjacent nodes in a standing wave
- 31. a point along a standing wave where the wave has