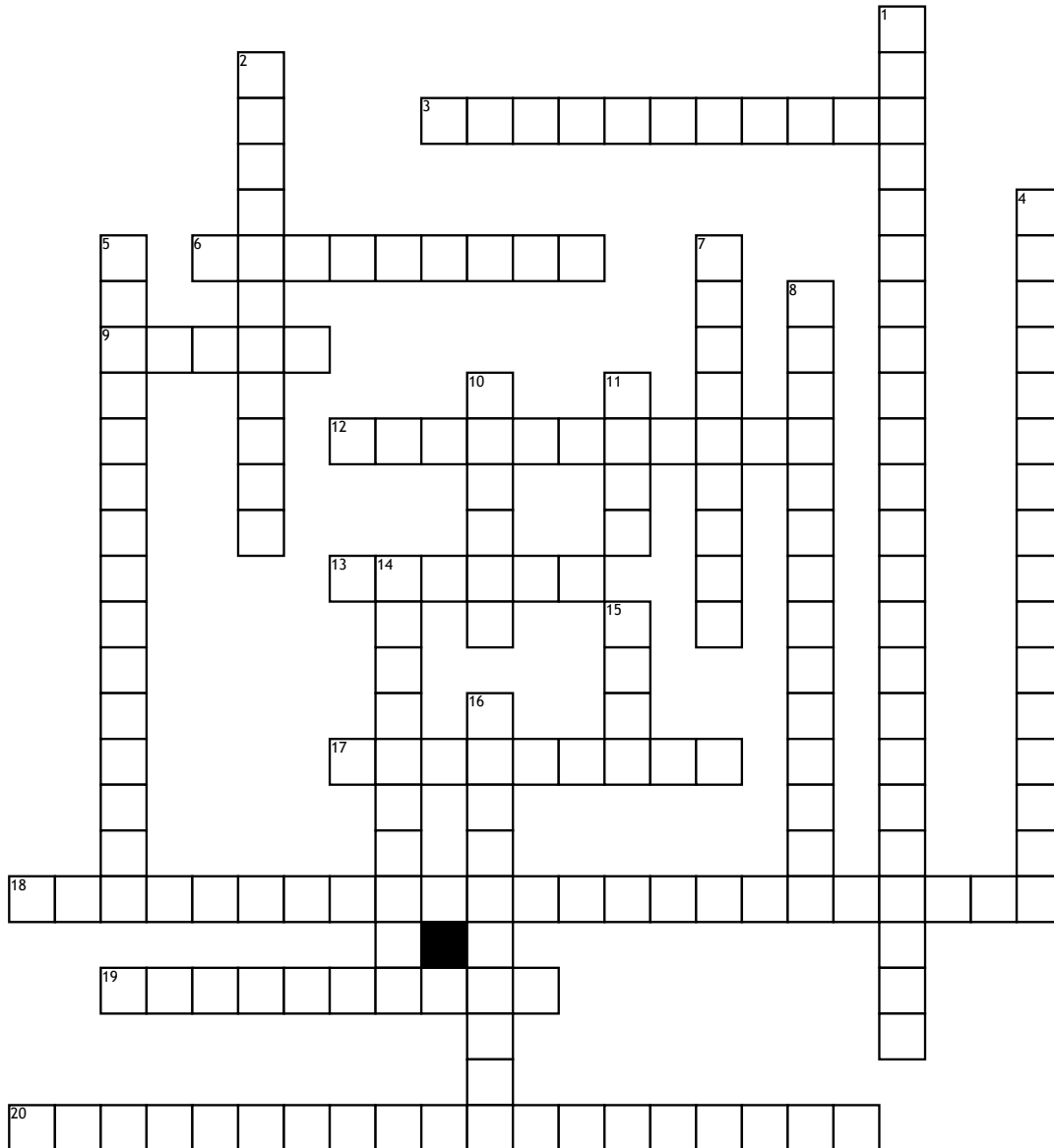


Name: _____

Date: _____

Properties of Waves Vocab.



Across

3. the process by which a beam of light or other system of waves is spread out as a result of passing through a narrow aperture or across an edge, typically accompanied by interference between the wave forms produced
6. the number of waves that occur in a certain amount of time
9. the top point of a wave
12. diminution in the density of something, especially air or a gas
13. the farthest down point of a wave
17. the speed at which a wave travels through a medium
18. Phenomenon of wave nature of light: it occurs when coherent light from two sources are superimposed in such a way that the combined intensity is less than the sum of the individual intensities before superimposition

19. the distance between successive crests of a wave

20. a wave of energy with a frequency within the electromagnetic spectrum, generated by the periodic fluctuation of an electromagnetic field resulting from the acceleration or oscillation of an electric charge

Down

1. The individual sine pulses are drawn in red and blue and the resulting displacement of the medium is drawn in green
2. the action of compressing or being compressed
4. a wave vibrating in the direction of propagation
5. a wave that is an oscillation of matter, and therefore transfers energy through a medium

7. the maximum extent of a vibration or oscillation, measured from the position of equilibrium

8. a wave vibrating at right angles to the direction of its propagation

10. a physical environment in which phenomena occur

11. A repeated sound that is caused by the reflection of sound waves from a surface

14. being deflected in passing obliquely through the interface between one medium and another or through a medium of varying density

15. a periodic disturbance of the particles of a substance that may be propagated without net movement of the particles

16. the throwing back by a body or surface of light, heat, or sound without absorbing it