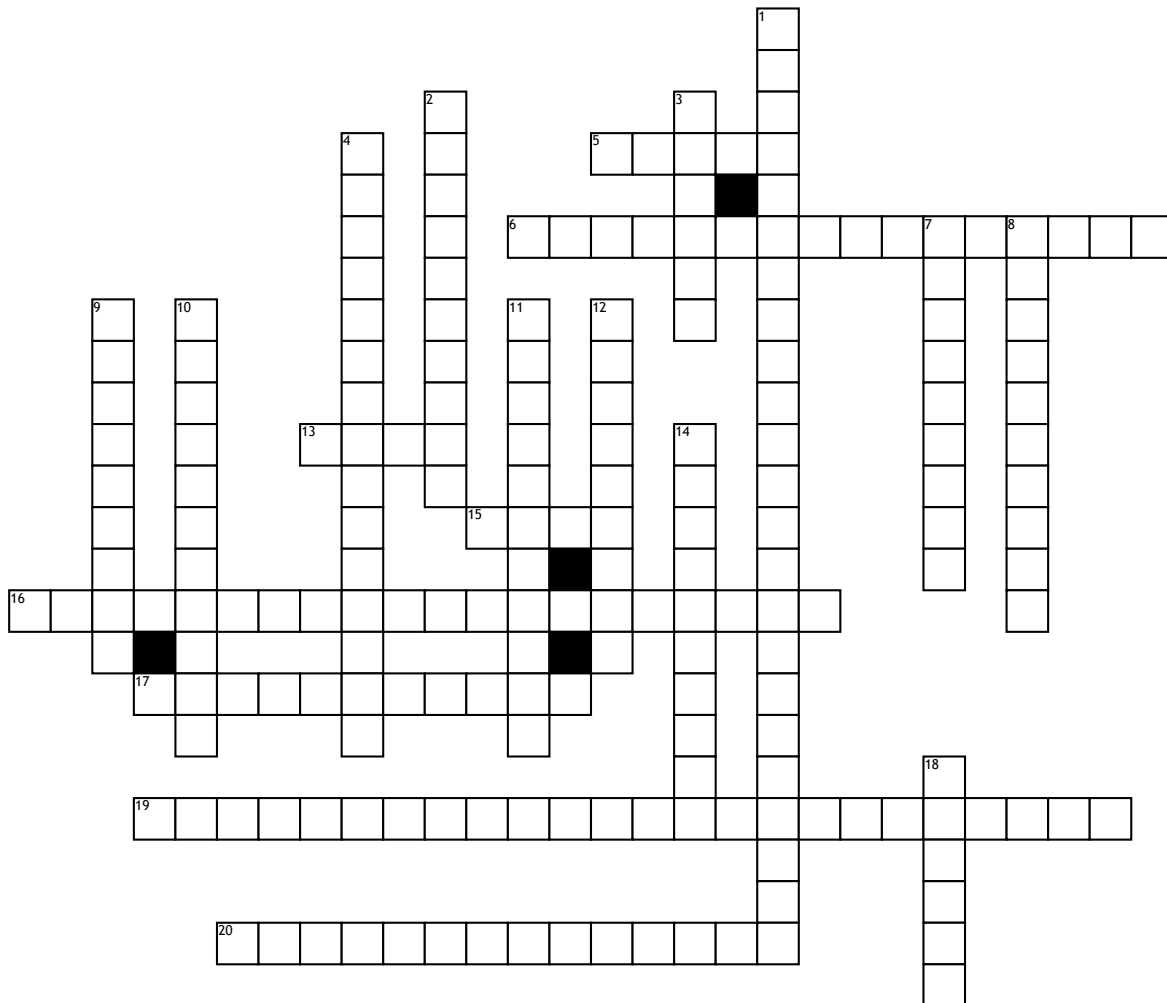


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Properties of Waves Vocabulary



**Across**

- 5. the highest point the medium rises to
- 6. a wave vibrating in the direction of propagation
- 13. a repetition of sound produced by the reflection of sound waves from a wall, mountain, or other obstructing surface
- 15. a long body of water curling into an arched form and breaking on the shore
- 16. a wave produced by the acceleration of an electric charge
- 17. a region in a longitudinal wave where the particles are closest together
- 19. the interference of two or more waves of equal frequency and phase
- 20. a wave vibrating at right angles to the direction of its propagation

**Down**

- 1. the interference of two waves of equal frequency and opposite phase
- 2. the reflected ray and the normal to the reflection surface at the point of the incidence lie in the same plane
- 3. any substance that carries the wave, or through which the wave travels
- 4. a wave that is an oscillation of matter
- 7. the maximum extent of a vibration or oscillation, measured from the position of equilibrium
- 8. the distance between successive crests of a wave, especially points in a sound wave or electromagnetic wave
- 9. the speed at which a wave travels

- 10. the bending of light around the corners of an obstacle or aperture into the region of geometrical shadow of the obstacle
- 11. the reduction of an item's density
- 12. the number of crests of a wave that move past a given point in a given unit of time
- 14. the change in direction of a wave passing from one medium to another caused by its change in speed
- 18. the minimum or lowest point in a cycle