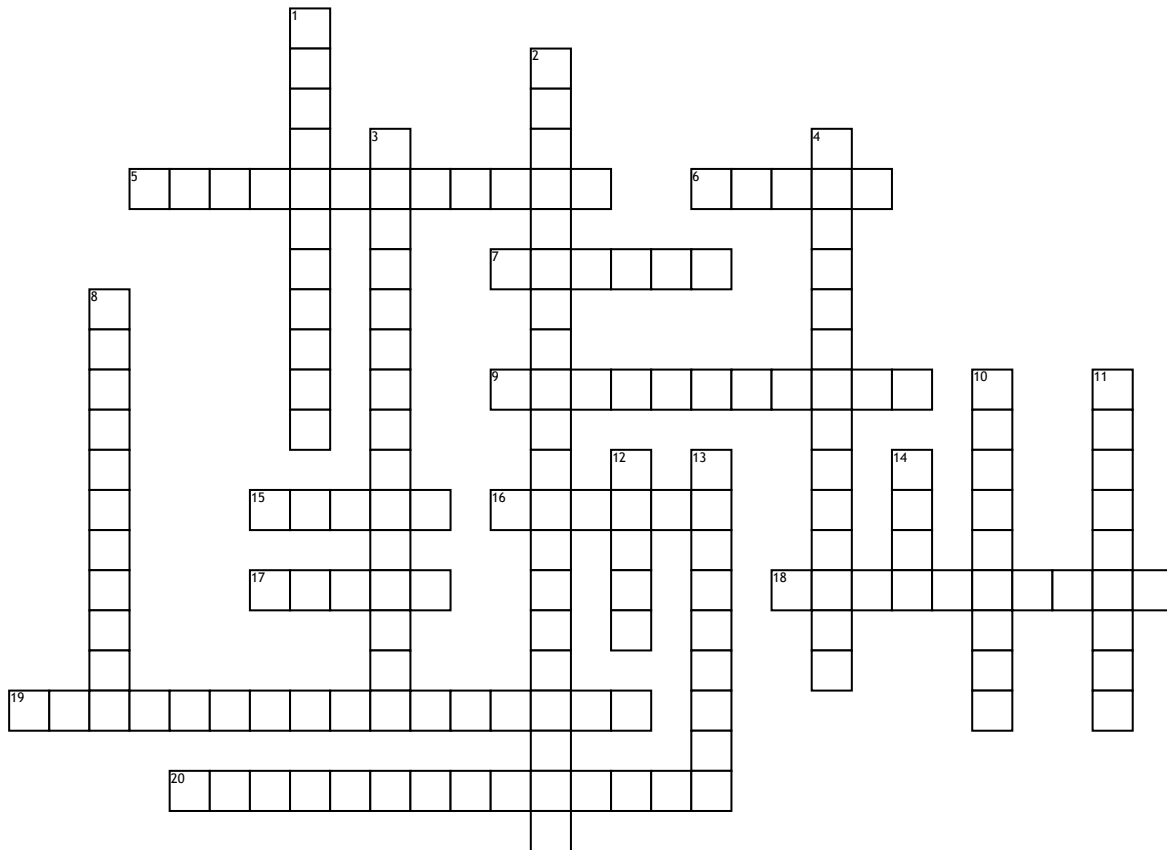


Name: _____

Date: _____

Waves



Across

- 5. when one wave comes into contact with another wave
- 6. The speed of a wave is a measure of how fast the disturbance of the wave is moving. The speed can be dependent on the type of medium that a wave is moving through.
- 7. the lowest part of a transverse wave
- 9. part of a longitudinal wave where the particles of the medium are far apart
- 15. the highest part of a transverse wave
- 16. the material through which a wave travels
- 17. the unit of measurement for frequency (Hz)

- 18. the distance between two corresponding parts of a wave
 - 19. a wave that moves a medium in a direction parallel to the direction in which the wave travels; Ex: sound waves
 - 20. a wave that moves the medium in a direction perpendicular to the direction in which the wave travels; Ex: water waves
- ## Down
- 1. when a wave remains in the same medium, but bends around an obstacle.
 - 2. waves that can travel through a vacuum. They do not need a medium. Light is a type of electromagnetic wave
 - 3. Position the medium would take if there were no wave. It is represented on a graph by a line through the center of the wave

- 4. a wave that requires a medium through which to travel
- 8. part of a longitudinal wave where the particles of the medium are close together
- 10. the number of complete waves that pass a given point in a certain amount of time
- 11. a repeated back-and-forth or up-and-down motion
- 12. the perception of the frequency of a sound
- 13. the maximum distance the particles of a medium move away from their rest position as a wave passes through the medium
- 14. a disturbance that transfers energy from place to place