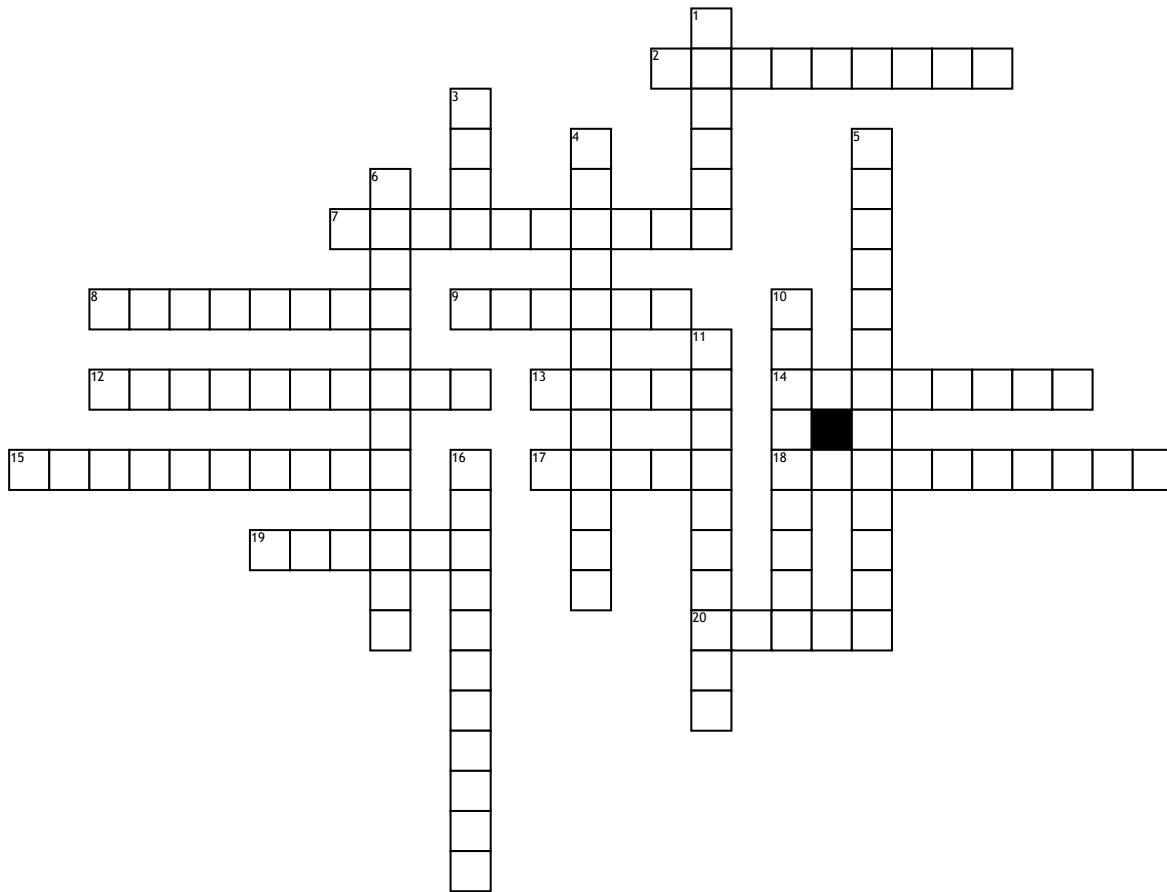


Waves



Across

2. Number of cycles or vibrations per unit of time
 7. Distance a wave travels during one cycle
 8. Sound with a single frequency
 9. Time it takes to complete one cycle
 12. Vibrations are perpendicular to the direction in which the wave travels
 13. Consists of a single pulse that travels
 14. A wave whose source is some form of periodic motion

15. sound waves with frequencies above 20Hz
 17. Interpretation of sound by the brain
 18. Sound waves with frequencies below 20 Hz
 19. Material through which a wave travels
 20. The highest point of a wave
Down
 1. The lowest point of a wave
 3. A moving oscillation that transports energy through a medium

4. Vibrations are parallel to the direction of wave motion
 5. The change in frequency detected by an observer
 6. Part of a wave where the wavelengths are farther apart
 10. Maximum displacement from equilibrium
 11. Wave that requires a material medium
 16. Part of a wave that the wavelengths are much closer together