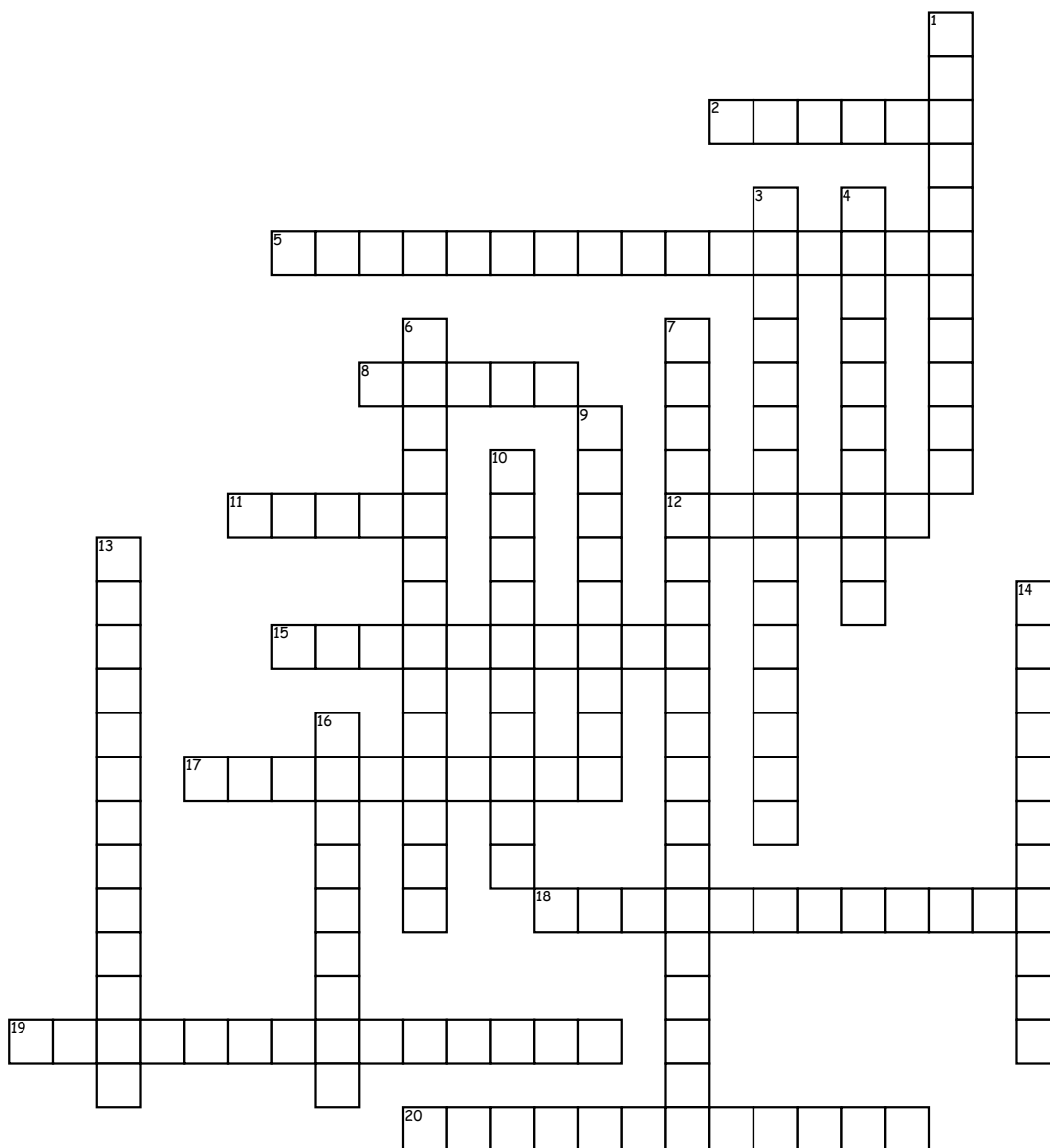


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Waves, Sound, and Light Crossword



## Across

2. The material through which a wave travels

5. A wave that moves a medium in a direction parallel to the direction in which the wave travels

8. The highest part of a transverse wave

11. Electromagnetic waves with wavelengths shorter than ultraviolet rays, but longer than gamma rays

12. The lowest part of a transverse wave

15. An image that shows regions of different temperatures in different colors

17. Radio waves with the shortest wavelengths and the highest frequencies

18. Electromagnetic waves that are visible to the human eye

19. A wave that requires a medium through which to travel

20. Electromagnetic waves with the wavelengths shorter than radio waves but longer than visible light

## Down

1. The part of a longitudinal wave where the particles of the medium are close together

3. Electromagnetic waves with the wavelengths shorter than visible light, but longer than X-rays

4. The distance between two corresponding parts of a wave

6. A wave that moves the medium in a direction perpendicular to the direction in which the wave travels

7. Transverse wave that transfer electrical and magnetic energy

9. Electromagnetic waves with the shortest wavelengths and highest frequencies

10. Electromagnetic waves with the longest wavelengths and lowest frequencies

13. The change in frequency of a wave as its source move in relation to an observer

14. The part of a longitudinal wave where the particles of the medium are far apart

16. The number of complete waves that pass a given point in a certain amount of time