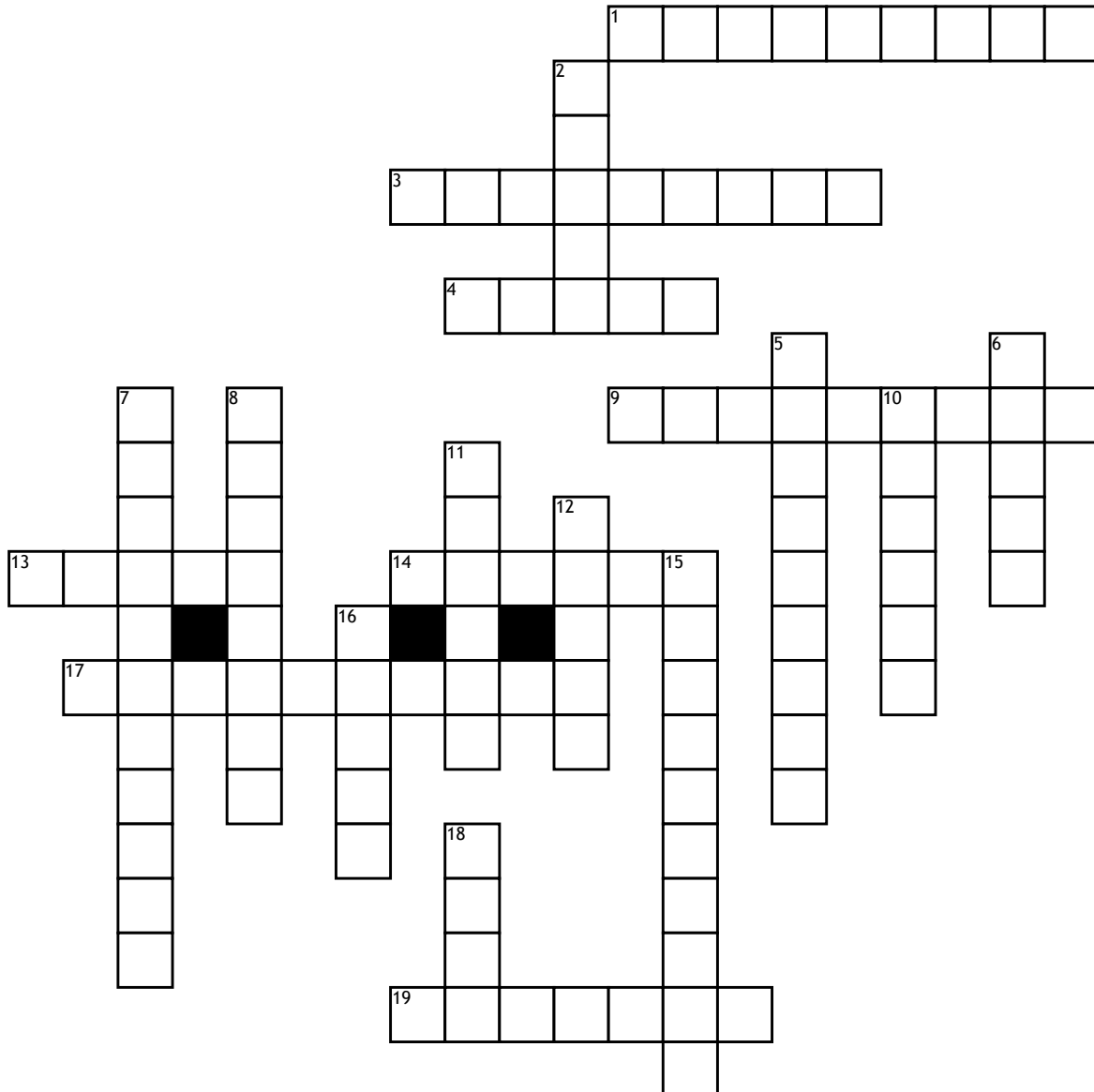


Name: _____

Date: _____

Waves



Across

- 1. the maximum distance the particles of a medium move away from their rest positions as a wave through the medium
- 3. the amount of energy per second carried through a unit area by a wave
- 4. perception of the frequency of a sound
- 9. a repeated back-and-forth or up-and-down motion
- 13. the distance an object travels per unit of time
- 14. the material through which a wave travels
- 17. the distance between two corresponding parts of a wave

- 19. a unit used to compare the loudness of different sounds

Down

- 2. the part of a longitudinal wave where the particles of the medium are close together
- 5. the number of complete waves that pass a given point in a certain amount of time
- 6. vibrations that typically propagate through a medium and can be heard
- 7. the part of a longitudinal wave where the particles of the medium are far apart
- 8. perception of the energy of a sound

- 10. the lowest part of a transverse wave

- 11. the ability to do work or cause changes to move an object some distance
- 12. electromagnetic radiation within a certain portion of the electromagnetic spectrum that can be seen
- 15. radio waves with the shortest wavelengths and the highest frequencies
- 16. unit of measurement for frequency
- 18. a disturbance that transfers energy from place to place