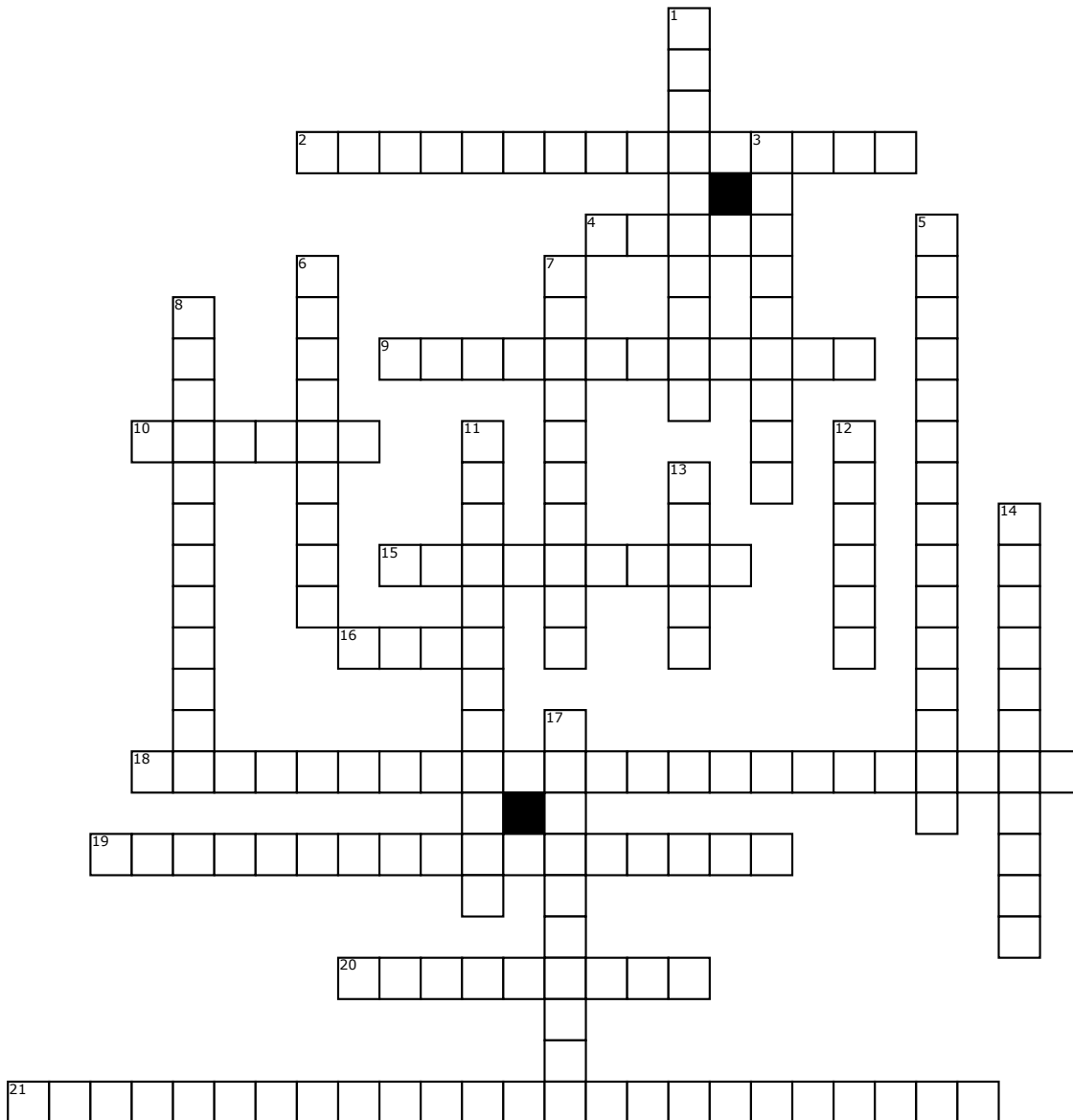


Waves



Across

- 2.** waves that move the medium at right angles to the direction in which the waves travels
4. the high part of a transverse wave
9. the parts in a longitudinal wave where the coils are spread apart
10. the material through which a wave travels
15. the maximum distance that the particles of the medium carrying the wave move away from their rest positions
16. a disturbance that transfers energy from place to place
18. the interference that occurs when two waves combine to make a smaller amplitude

- 19.** waves that move the medium parallel to the direction in which the waves travel

- 20.** a repeated back-and-forth or up-and-down motion
21. the interference that occurs when waves combine to make a wave with a larger amplitude

Down

- 1.** the distance between two corresponding parts of a wave
3. the points of maximum amplitude on a standing wave
5. waves that require a medium through which to travel
6. the number of complete waves that pass a given point in a certain amount of time
7. the bending of a wave due to its change in speed

- 8.** is the interaction between waves that meet

- 11.** the parts in a longitudinal wave where the coils are close together
12. the low part of a transverse wave
13. the points with zero amplitude on a standing wave
14. when a wave moves around a barrier or through an opening in a barrier, it bends and spreads out
17. when an object or a wave hits a surface through which it cannot pass, it bounces back