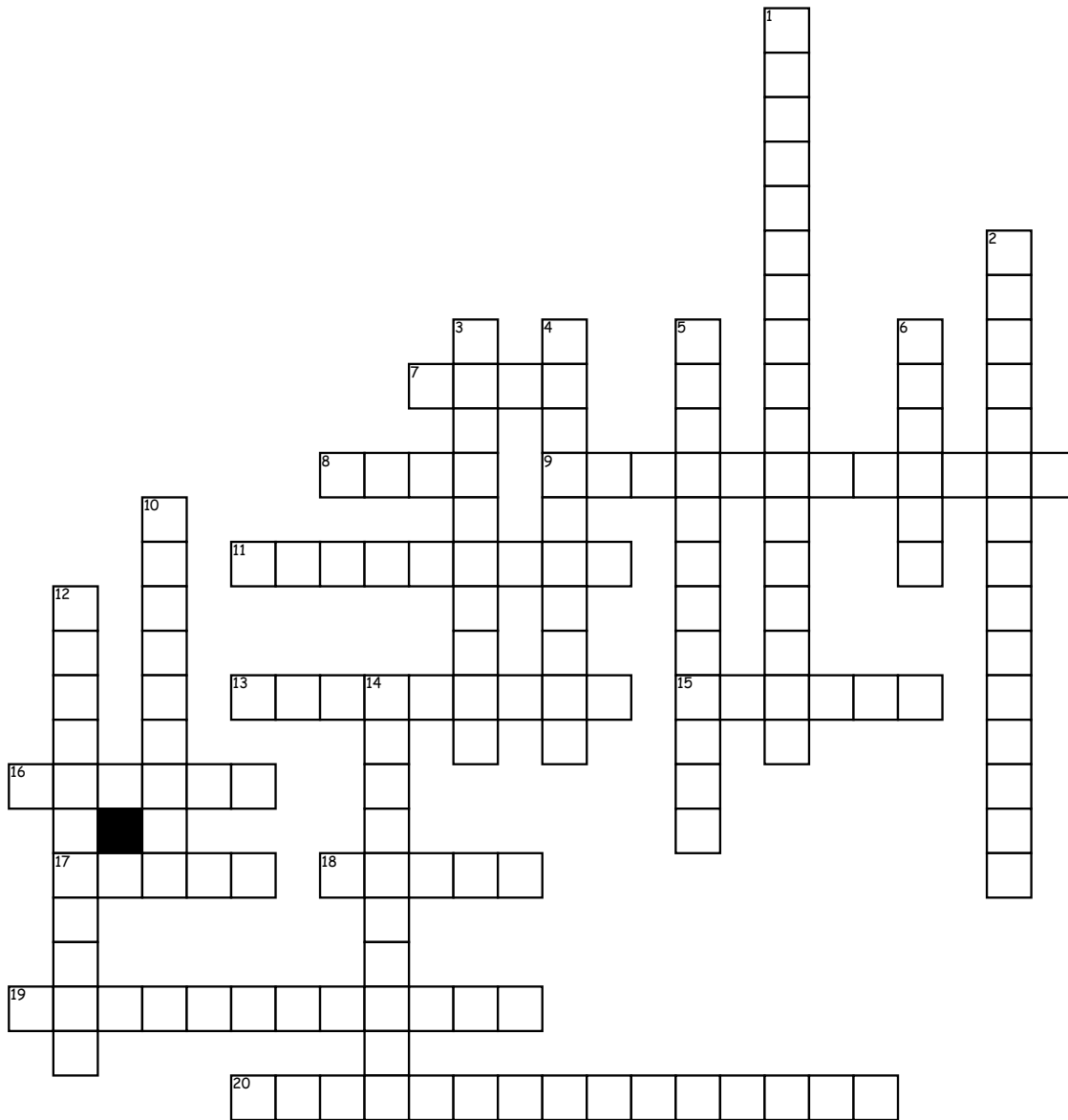


# Waves



**Across**

7. a disturbance that transfers energy from place to place

8. the points of zero on a standing wave

9. the parts in longitudinal wave where the coils are spread out

11. the number of complete waves that pass a given point in a certain amount of time

13. a repeated back-and-forth or up-and-down motion

15. the ability to do work

16. the low part of a transverse wave

17. the high part of a transverse wave

18. frequency is measured in this unit

19. the parts in a longitudinal wave where the coils are close together

20. waves that move the medium at right angles in the direction in which the waves travel

**Down**

1. waves that move the medium parallel to the direction in which the waves travel

2. waves that require a medium

3. the distance between two corresponding parts of a wave

4. the bending of waves due to a change in speed

5. the interaction between waves that meet

6. the material which a wave travels through

10. the maximum distance of the particles of the medium carrying the wave move away from their rest positions

12. when a wave moves around a barrier or through an opening in a barrier it bends and spreads out

14. when an object or a wave hits a surface through which it cannot pass, it bounces back