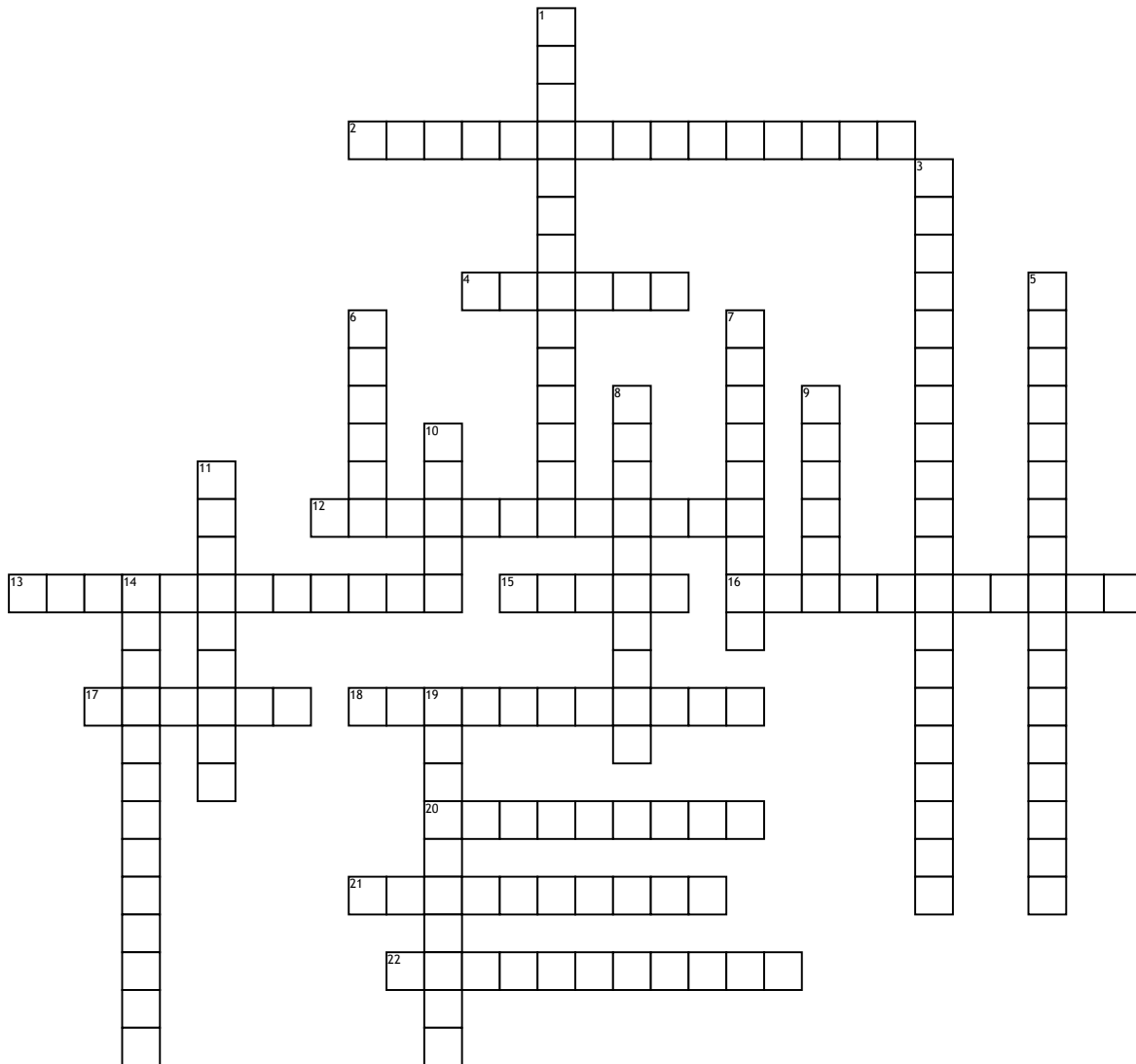


Waves



Across

2. waves that can travel only through matter (ex. sound waves)
 4. the amount of time it takes one wavelength to pass a point
 12. process of 2 or more waves combining to form a new wave
 13. And now we can see them
 15. locations where the interfering waves always cancel
 16. the more dense region of a longitudinal wave
 17. low points of a transverse wave
 18. the less dense region of a longitudinal wave

20. process by which an object is made to vibrate by absorbing energy

21. electromagnetic waves that can cook food

22. bending of a wave around an object

Down

1. particles in the medium move at right angles to the direction the wave travels

3. made by vibrating electric charges

5. matter in the wave moves back and forth along the same direction (slinky)

6. massless bundle of energy

7. number of waves that pass a point in one second

8. the distance between one point on a wave and the nearest point just like it

9. matter through which a wave travels

10. high points of a transverse wave

11. measure of the size of the disturbance of a wave

14. hotter objects emit more than cooler objects

19. bending of a wave as it moves from one medium to another