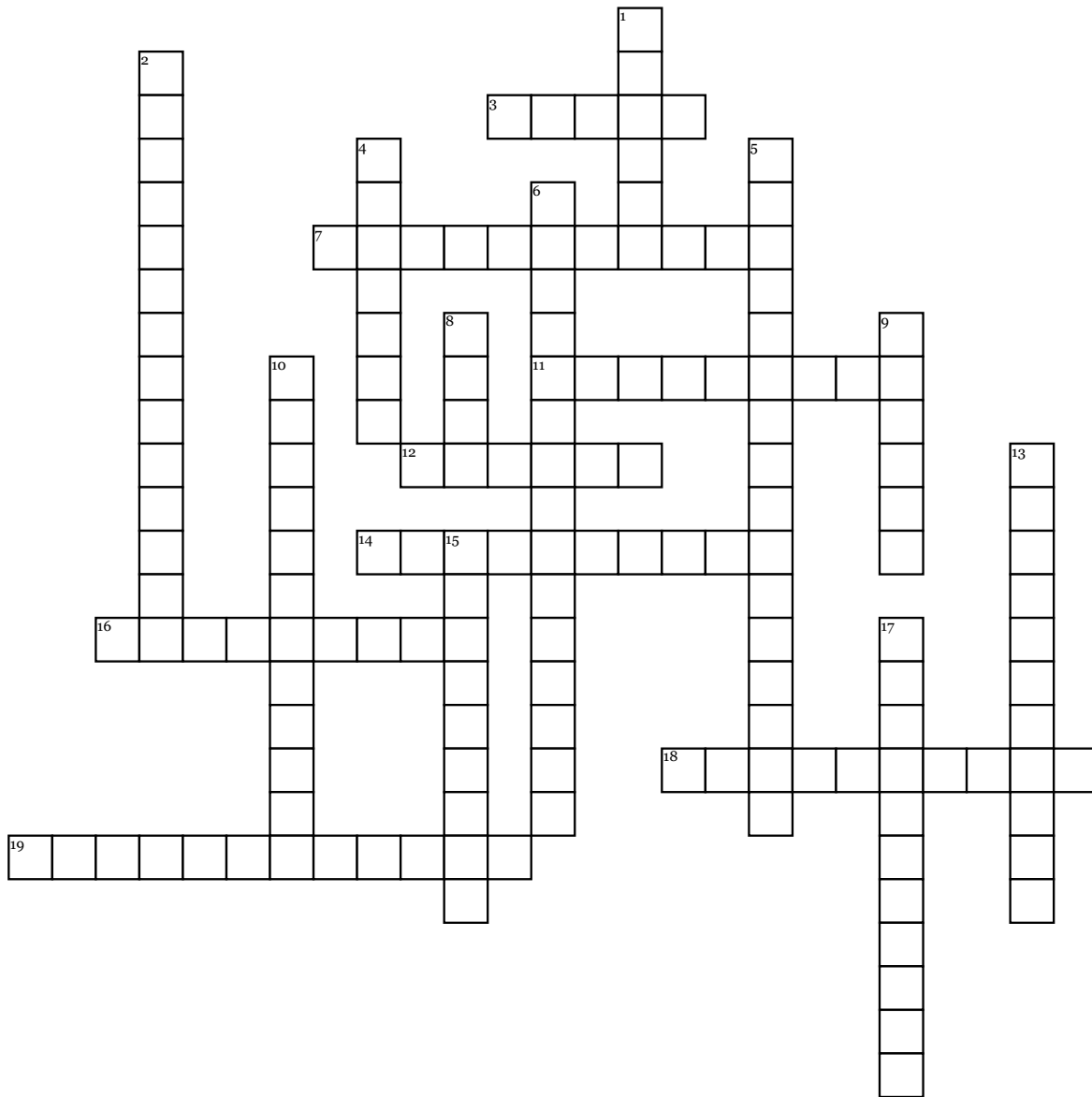


Crossword Puzzle Activity



Across

- 3.** which are locations where the interfering waves always cancel
7. it is the more dense region of a longitudinal wave
11. it is a measure of the size of the disturbance from a wave
12. it is matter through which a wave travels
14. is the bending of a wave caused by a change in its speed as it travels from one medium to another
16. it is the process by which an object is made to vibrate by absorbing energy at its natural frequencies
18. it is the distance between one point on a wave and the nearest point just like it

- 19.** it is the process of two or more waves overlapping and combining to form a new wave

Down

- 1.** Are the high points of a transverse wave
2. particles in the medium moves back and forth at right angles to the direction that the wave travels
4. are the low points of a transverse wave
5. it is a matter in the medium moves back and forth along the same direction that the wave travels
6. waves that can travel only through matter
8. is a repeating disturbance that transfers energy through matter or space

- 9.** the amount of time it takes one wavelength to pass a point
10. it is a special type of wave pattern that forms when waves equal in wavelength and amplitude but traveling in opposite directions continuously interfere with each other
13. it is the bending of a wave around an object
15. the number of wavelengths that pass a fixed point each second
17. the less-dense region of a longitudinal wave