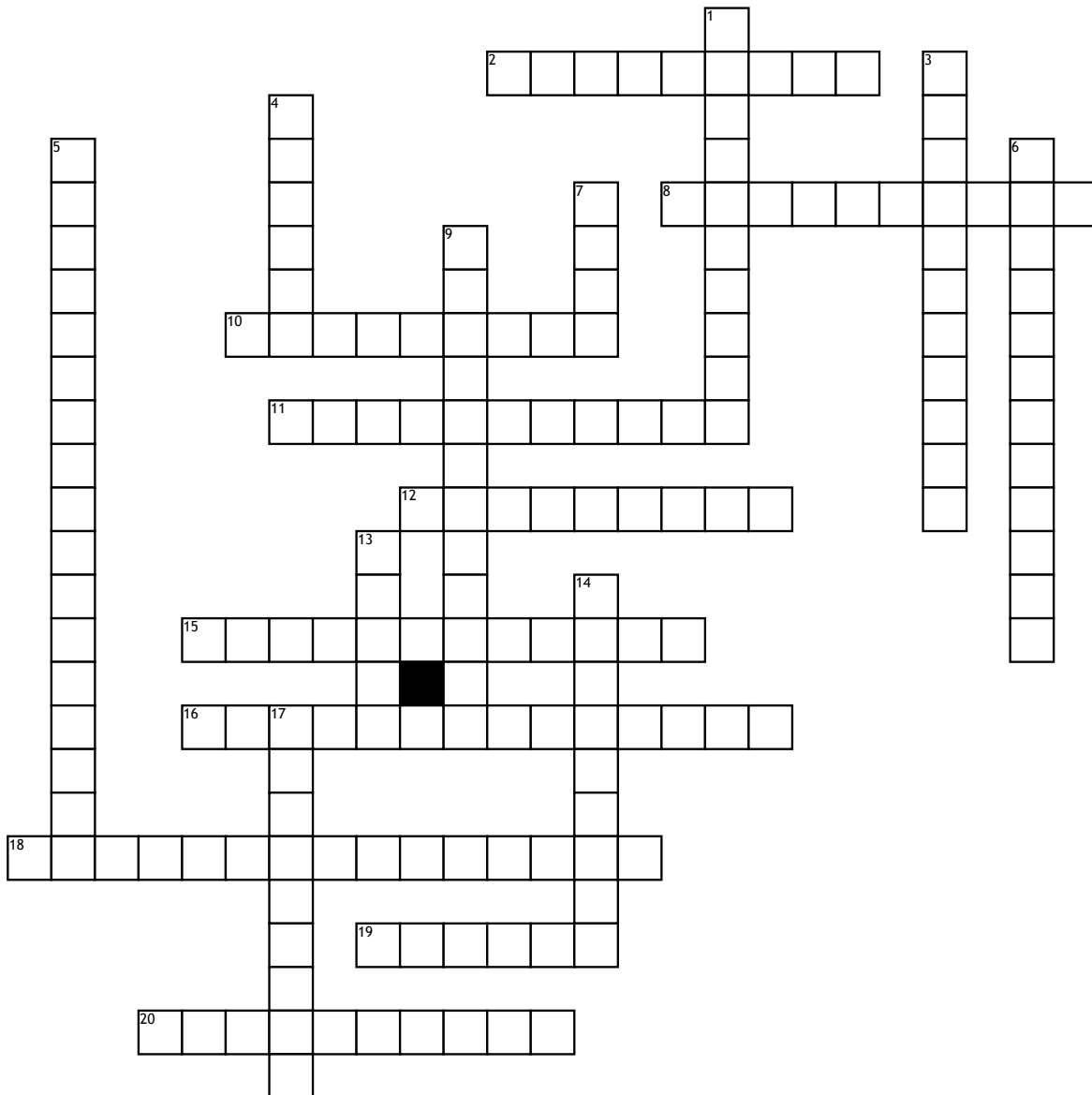


Waves



Across

- 2. how many wave lengths pas a fixed point each second
- 8. the bending of a wave when it travels from one medium to another
- 10. a measure of the energy in a wave
- 11. the change in the direction of a wave when an object causes the wave to bend around it
- 12. the ability of an object to vibrate by absorbing energy at its natural frequency
- 15. a wave pattern that forms when wave equal in wavelength and amplitude, but traveling in opposite directions, constructively interfere

- 16. the matter in the medium moves at right angles to the direction the wave is traveling
- 18. waves that can only travel through matter
- 19. time required for one wave to pass a fixed point
- 20. distance between one point on one wave and the nearest point just like it on the following wave

Down

- 1. the bouncing back of a wave when it strikes a surface or boundary
- 3. the waves subtract from each other as they overlap
- 4. the matter through which a mechanical wave can travel

- 5. the matter in the medium moves parallel to the direction the wave is traveling
- 6. the waves add together
- 7. - a repeating disturbance or movement that transfers energy through matter or space
- 9. the interaction between two or more waves that occupy the same space at the same time.
- 13. points on a standing wave where the two waves cancel and no movement occurs
- 14. the product of wavelength and frequency
- 17. points on a standing wave where movement is at a maximum