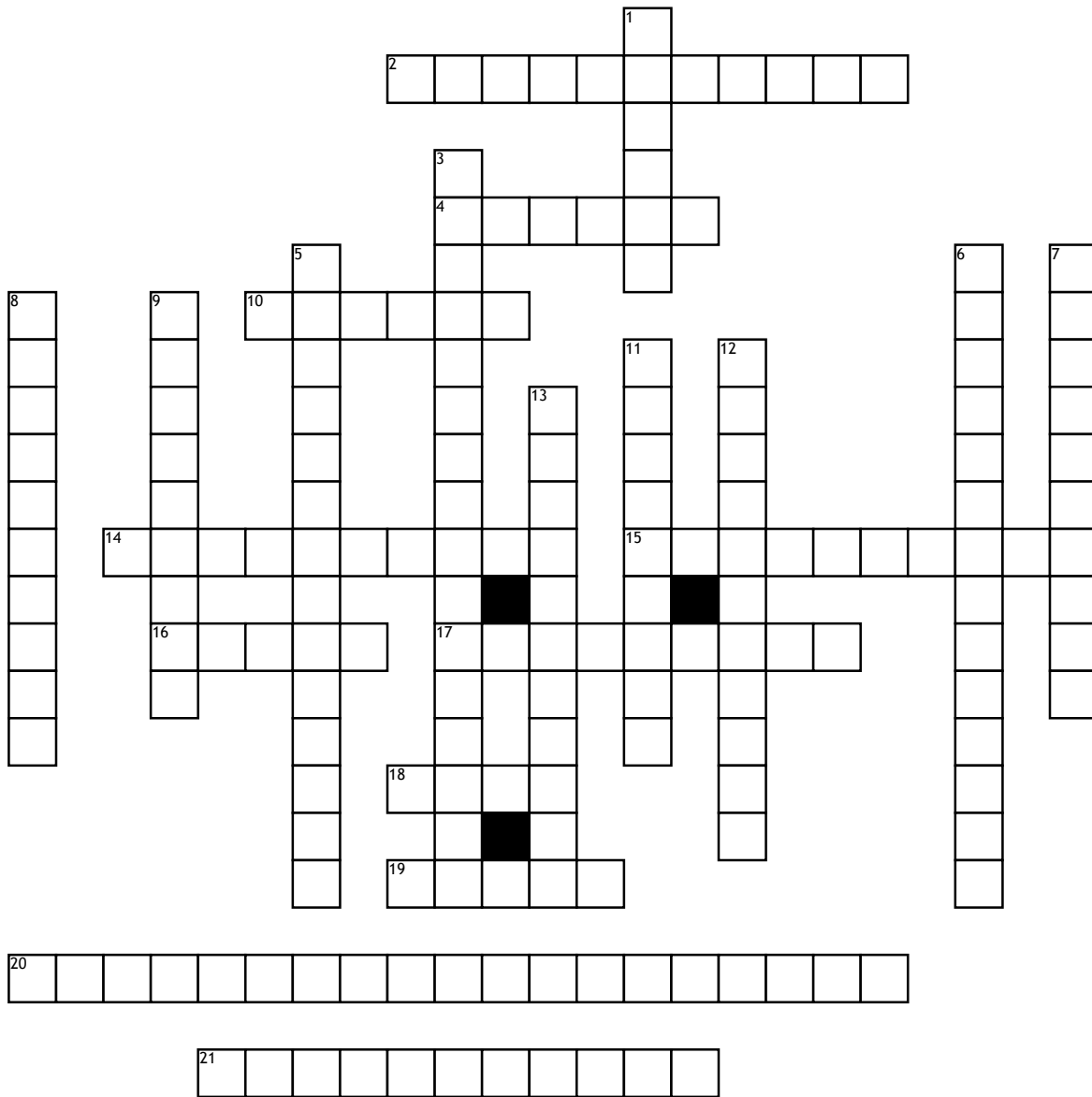


Waves



Across

- 2. the application of balanced inward ("pushing") forces to different points on a material or structure
- 4. the degree to which light is not allowed to travel through
- 10. the minimum or lowest point in a cycle
- 14. the change in direction of a wavefront at an interface between two different media so that the wavefront returns into the medium from which it originated
- 15. the way in which the energy of a photon is taken up by matter
- 16. the point on a wave with the maximum value or upward displacement within a cycle
- 17. the maximum absolute value of some quantity that varies

- 18. an oscillation accompanied by a transfer of energy that travels through a medium
 - 19. defined as one cycle per second
 - 20. synchronized oscillations of electric and magnetic fields
 - 21. the reduction of an item's density
- Down**
- 1. space or mass
 - 3. waves in which the displacement of the medium is in the same direction as, or the opposite direction to, the direction of travel of the wave
 - 5. a moving wave that consists of oscillations occurring perpendicular (or right angled) to the direction of energy transfer

- 6. an oscillation of matter, which therefore transfers energy through a medium
- 7. the spatial period of the wave
- 8. the change in direction of propagation of a wave due to a change in its transmission medium
- 9. the number of occurrences of a repeating event per unit time
- 11. a mechanical phenomenon whereby oscillations occur about an equilibrium point
- 12. : it allows light to pass through, but does not necessarily (again, on the macroscopic scale) follow Snell's law
- 13. the physical property of allowing light to pass through the material without being scattered