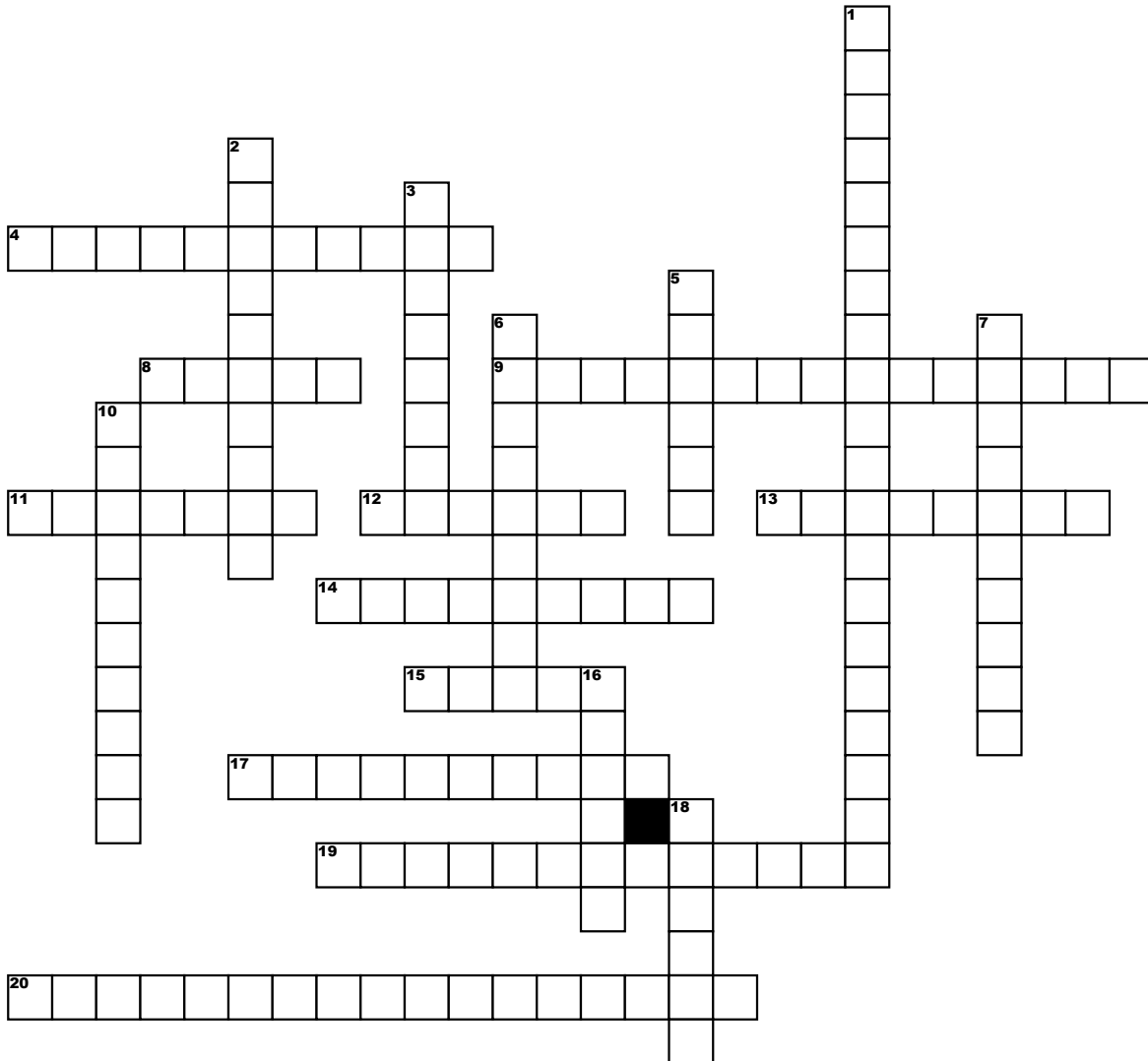


waves



Across

4. _ encounters an obstacle an opening or a edge
 8. ___ a disturbance that tranfer energy
 9. _ require a medium to travel
 11. _ light in multiple direction /unsmooth
 12. _ time it takes for an object to complete a cycle of motion
 13. _ light in one direction /smooth
 14. _ is how often a wave passes a given point in a given time

15. _____ is the top part of a wave.
 17. _ bending of light as it passes from one medium to another
 19. _ moves the ground up in a circle
 20. _ travel in a parallel
Down
 1. _ the energy move though disturbance in the electromagnetic field
 2. _ move in a perpendicular direction
 3. _ fastest surface wave
 5. _ secondary wave

6. ___ distance between crest and trough
 7. _ distance between any two repeating points of a wave
 10. _ surface that causes it to move away from the surface
 16. _____ is the bottom part of a wave.
 18. _ fastest wave, first to arrive