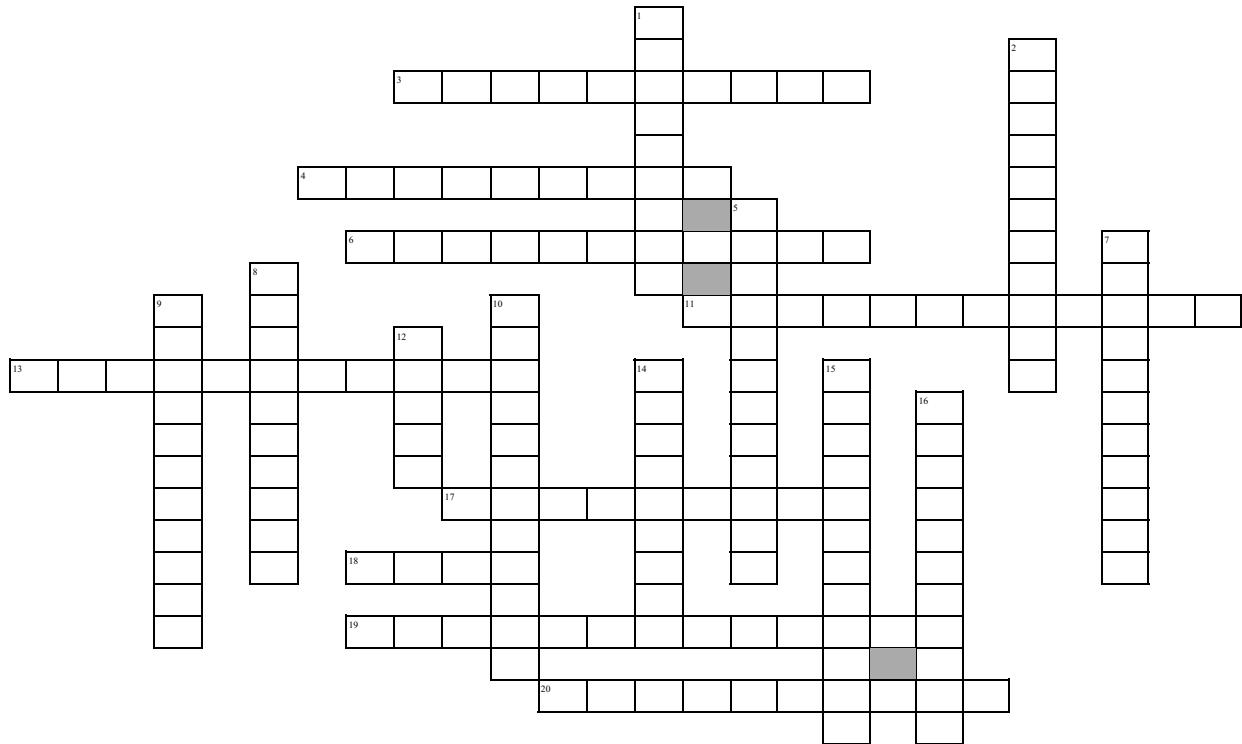


Waves



Across

3. the distance between the adjacent crests or compressions in a series of waves
4. speed at which a wave travels
6. bending waves around a barrier or through an opening
11. wave that forms from a stationary pattern in which portions of the wave are at rest position
13. matter that transmits light but also scatters the light as it passes through matter
17. image through which light passes
18. any disturbance that transmits energy through matter or space
19. mirror that is curved inward
20. the point on the axis of a mirror lens through which all incident light rays are focused

Down

1. number of waves produced in a given amount of time
2. the distance between a mirror lens through which all incident parallel rays are focused
5. image through which light does not actually pass
7. mirror with a flat surface
8. occurs when a wave bounces back after striking an object
9. lens that is thicker in the middle than the edges
10. result of more waves overlapping
12. curved transparent object that forms an image by refracting light
14. maximum distance the wave vibrates from the rest position
15. mirror that is curved outward
16. matter through which visible light is easily transmitted