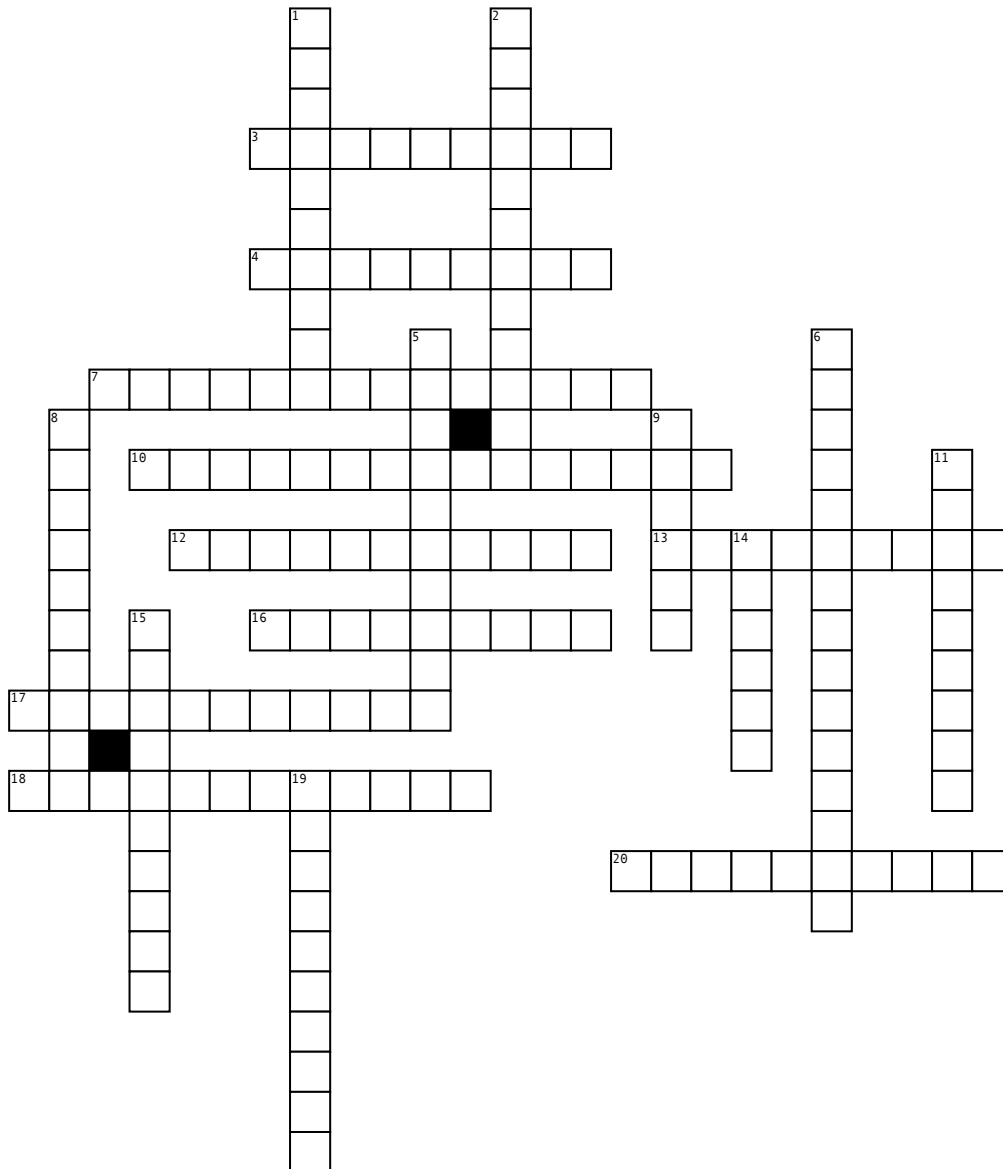


Waves and optics crossword



Across

- 3. The tendency of a system to oscillate with greater amplitude at some frequencies more than others
- 4. The number of times per second a wave cycles
- 7. The particles in the medium vibrate along the same direction as the wave (parallel)
- 10. The particles of the medium that vibrate up and down (perpendicular) to the wave
- 12. Where particles are far apart
- 13. The measurement of the strength of a sound wave

16. Max displacement of particles in equilibrium

- 17. When a wave remains in the same medium but bends around obstacles
- 18. When one wave comes in contact with another wave
- 20. Distance between 2 adjacent points (crest to crest)

Down

- 1. Zero height, starting position to measure amplitude
- 2. A wave that remains in a constant position
- 5. The change in direction and wave length when a wave moves from one medium to another

- 6. Examples of this are : water waves , waves on a string , & sound waves
- 8. When some of the waves energy is taken away when it encounters a medium
- 9. Matter that a wave passes through
- 11. The measurement of the strength of a sound wave
- 14. Lowest point on a wave
- 15. When a wave bounces off a boundary and changes direction but remains in the same medium
- 19. When a wave bounces of a boundary , changing direction but remaining in the same medium