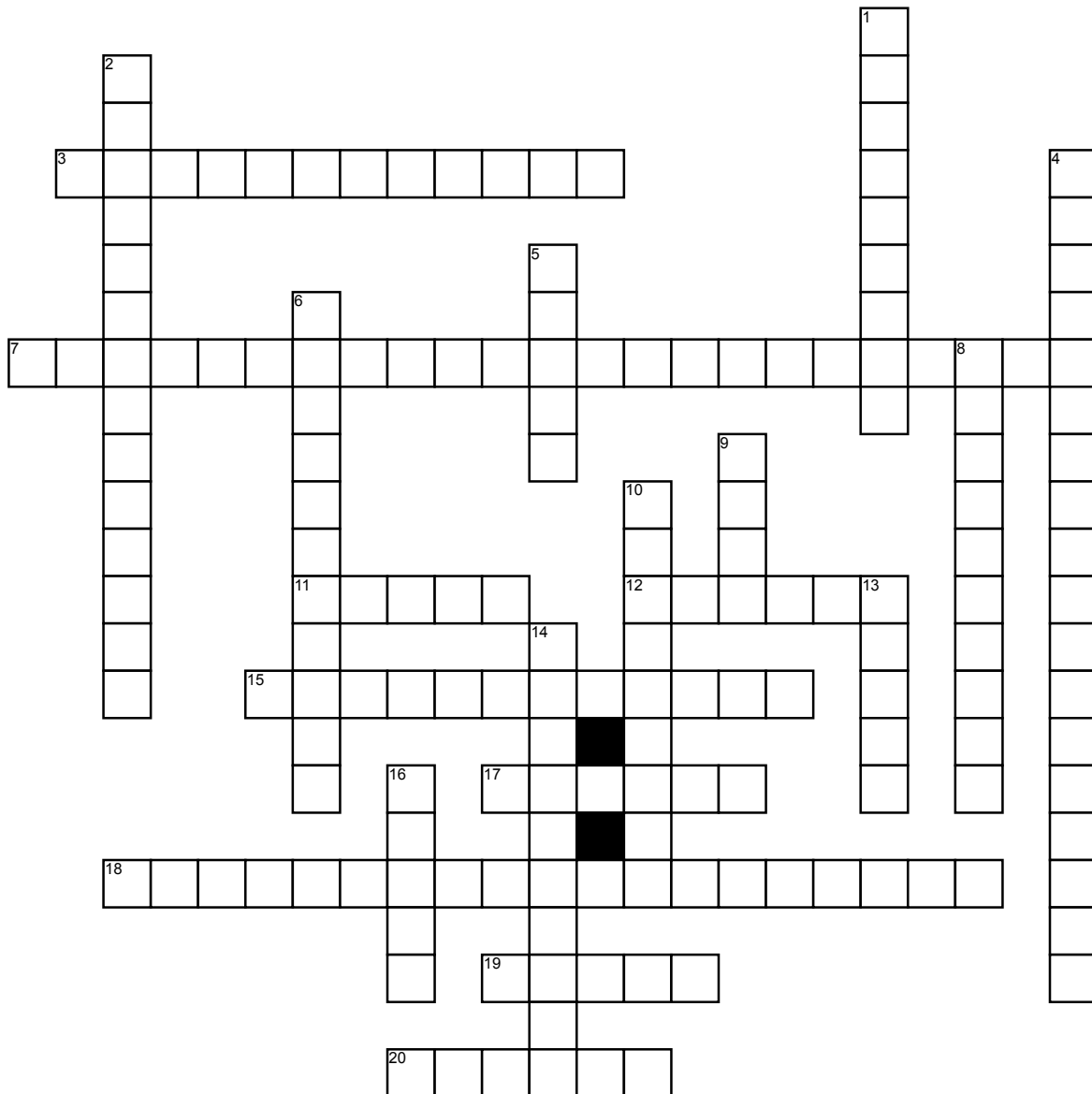


Waves, Sound, and Light Vocabulary



Across

- 3. Stretched out area of a wave
- 7. The range of frequencies of electromagnetic radiation and their respective wavelengths and photon energies
- 11. vibrations that travel through the air or another medium and can be heard when they reach a person's ear
- 12. Unit or quantum of light
- 15. Part of the electromagnetic spectrum that is visible to the human eye
- 17. Lowest point on a wave
- 18. Every particle or quantum entity may be partly described in terms not only of particles, but also of waves

- 19. The natural agent that stimulates sight and makes things visible
- 20. Quantity of energy proportional in magnitude to the frequency of the radiation it represents

Down

- 1. Number of waves in a period of time
- 2. A wave where particles of the medium move perpendicularly to the direction the wave is moving
- 4. Objects that are capable of reflecting light to our eyes
- 5. Highest point of a wave
- 6. Crowded areas of a wave

- 8. Bouncing back of a ray of light, sound, or heat when the ray hits the surface
- 9. a sound or series of sounds caused by the reflection of sound waves from a surface back to the listener
- 10. Maximum amount of displacement of a particle on the medium from its rest position
- 13. Sound or sounds of any kind
- 14. Bending of a wave front as it passes between 2 substances in which the speed of the wave changes
- 16. Unit of frequency, equal to 1 cycle per second