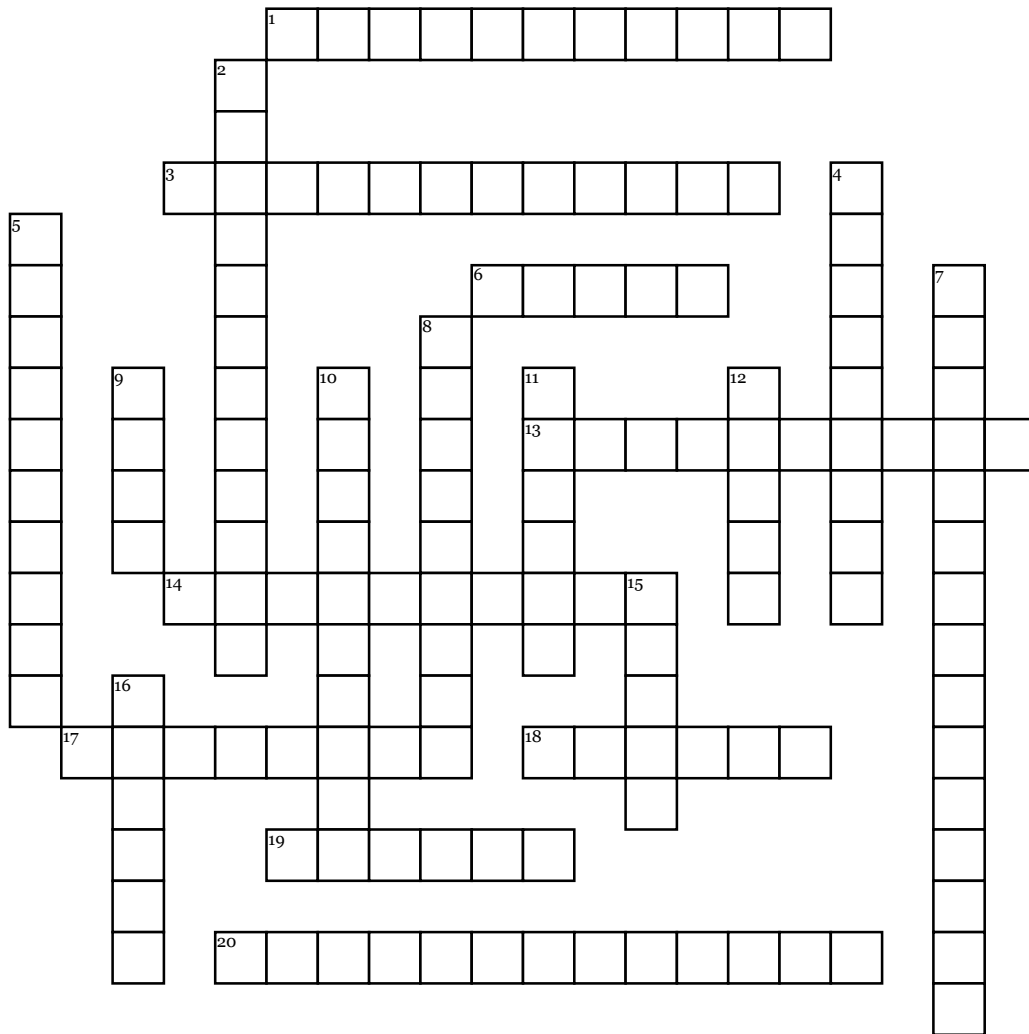


Waves



Across

- 1.** the spreading of a wave around a barrier or through an opening
3. the result of the superposition of two or more waves
6. has the shortest wavelength
13. the bending of a wave as it passes obliquely from one medium into another of different propagation speed
14. The length of a wave
17. ($V = \lambda \cdot F$) what "V" it means?
18. The unit for wavelength
19. Waves transfer _____ from one place to another, but not matter

- 20.** the change in frequency due to the relative motion of the wave source and the observer

Down

- 2.** When the particles of the medium move back and forth along the direction of the wave motion, the wave is a
4. is the distance to which the pendulum moves away from this center point
5. When the particles of a medium are vibrating at right angles to the direction of energy transport, then the wave is a ... wave.

- 7.** The angle of incidence is equal to the angle of reflection

- 8.** the amount of time of cycles in one second

- 9.** is a traveling disturbance that moves through space and matter
10. the turning back of a wave when it reaches the boundary of the medium through which it is traveling
11. A low point of a wave is
12. has a longest wavelength
15. The unit for frequency is
16. the amount of time it takes for one cycle to occur

Word Bank

Law of Reflection	interference	Amplitude	longitudinal	Reflection
meters	Wavelength	Velocity	Hertz	Wave
energy	Doppler effect	Transverse	Gamma	Radio
Diffraction	Trough	refraction	Frequency	Period