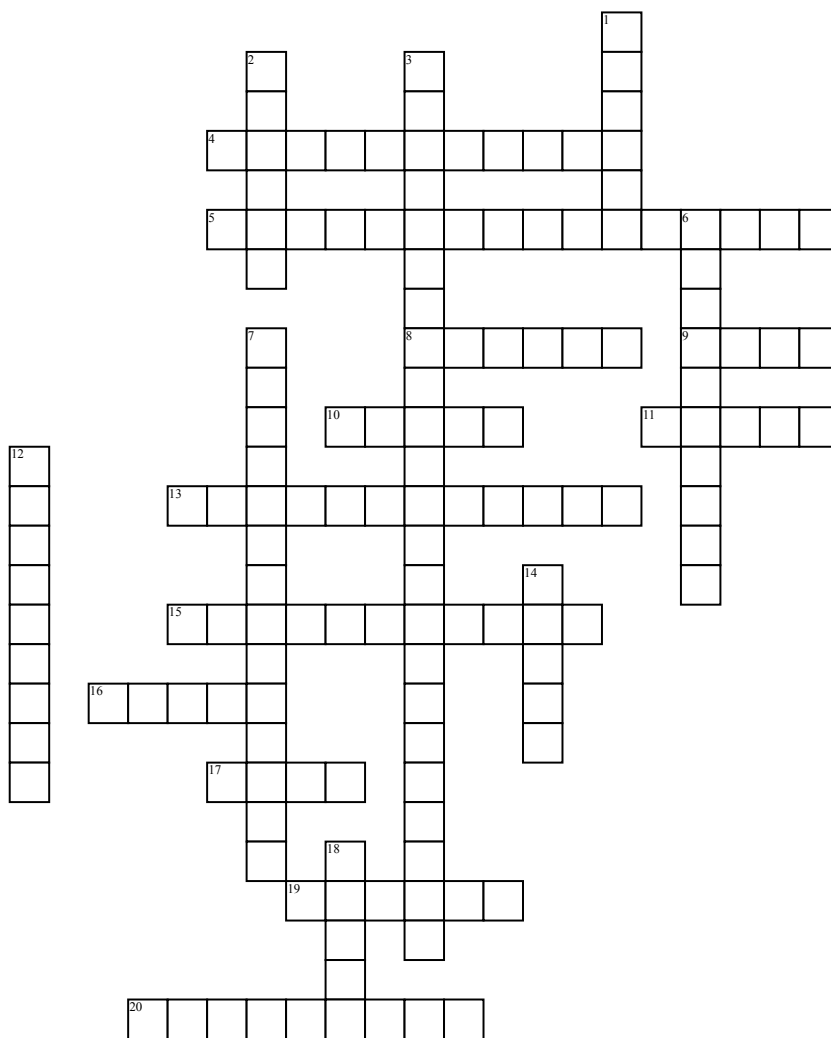


Physical Science



Across

4. Crowded area of longitudinal wave
 5. A wave in which the particles of the medium vibrate parallel to the direction of the wave motion
 8. A physical environment in which phenomena occur
 9. A reflection of a sound that arrives to the listener with a delay after the direct sound
 10. Electromagnetic radiation of any wavelength, whether visible or not
 11. SI unit for frequency—number of vibrations per second

13. Form of electromagnetic radiation—wavelengths that are visible to most human eyes
 15. Stretched out area of a longitudinal wave
 16. Sound or sounds of any kind
 17. Disturbance that carries energy through matter & space
 19. Lowest point of the wave
 20. The maximum distance that the particles of a wave's medium vibrate from the rest position

Down

1. The minimum amount of any physical entity involved in an interaction

2. A unit or quantum of light
 3. The entire range of wavelengths or frequencies from gamma rays to radio waves and including visible light
 6. Distance from any point on a wave to an identical point on the next
 7. A wave in which the particles of the medium move perpendicularly to the direction the wave is traveling
 12. The number of cycles of vibrations per unit; the number of waves produced in a given time
 14. Vibrations that travel through a material
 18. Highest point of the wave

Word Bank

Amplitude	Transverse wave	Medium	Rarefaction
Trough	Sound	Hertz	Noise
Quanta	Frequency	Electromagnetic spectrum	Wave
Echo	Longitudinal wave	Wavelength	Visible light
Photon	Compression	Light	Crest