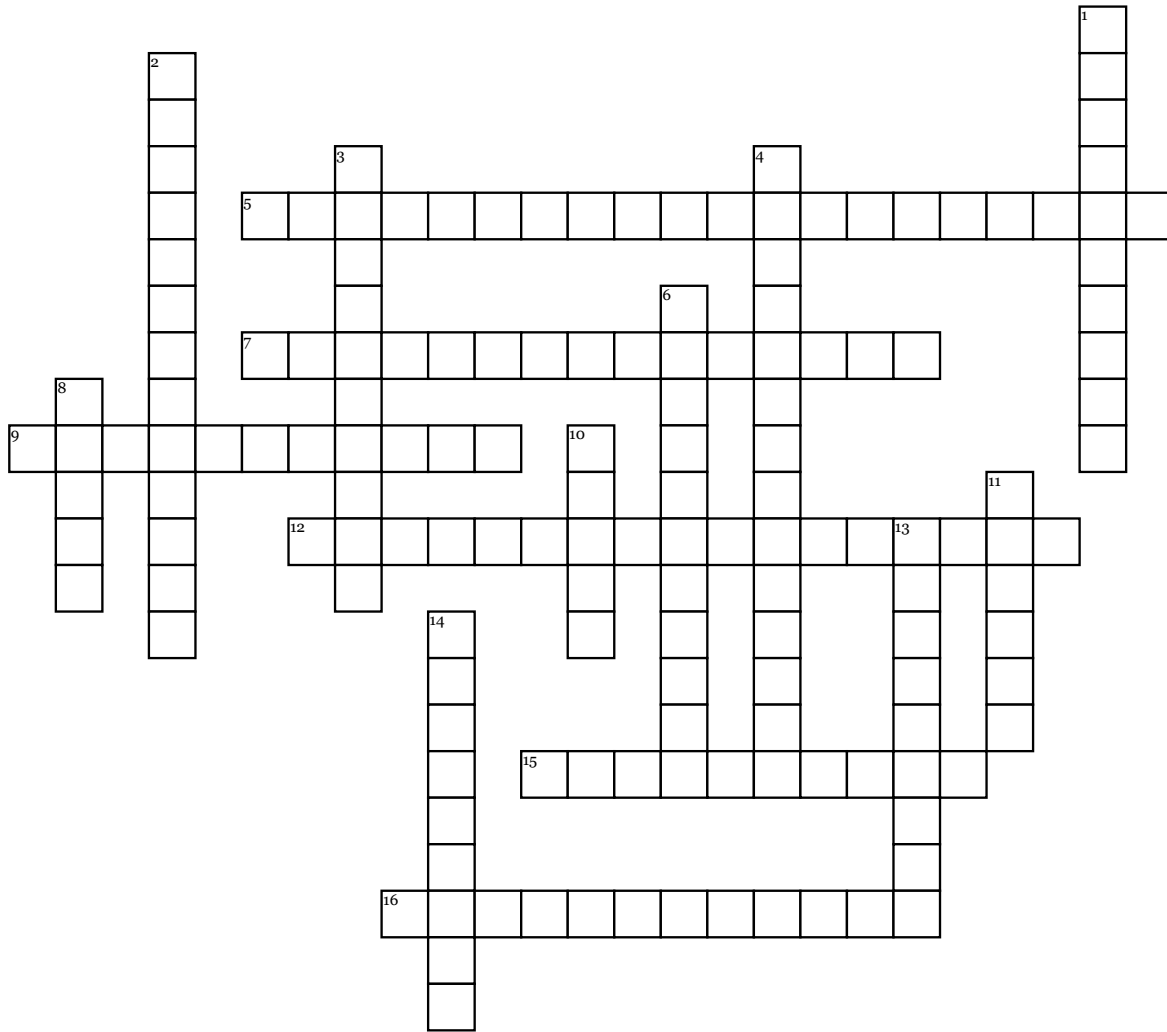


Waves Vocabulary



Across

- 5. A wave that consists of oscillating electric and magnetic fields, which radiate outward at the speed of light
- 7. A wave in which the particles of the medium move perpendicularly to the direction the wave is traveling
- 9. The bending of a wave around a barrier or through an opening
- 12. A wave in which the particles of the medium vibrate parallel to the direction of wave motion.
- 15. The distance from any point on a wave to an identical point on the next wave.

16. The combination of two or more waves that results in a single wave

Down

- 1. Occurs when a wave bounces back after hitting a barrier
- 2. The change in frequency or wavelength of a wave for an observer who is moving relative to the wave source.
- 3. The bending of a wave as the wave passes between two substances in which the speed of the wave differs.
- 4. A wave that requires a medium through which to travel

6. An elastic wave in the Earth produced by an earthquake

- 8. Electromagnetic radiation that is visible, perceivable by the human eye as different colors
- 10. A longitudinal wave that is caused by vibrations and travels through a material medium
- 11. A substance through which a wave can travel
- 13. The maximum distance that the particles of a wave's medium vibrate from their rest position
- 14. The number of cycles or vibrations per unit of time; also the number of waves produced in a given amount of time