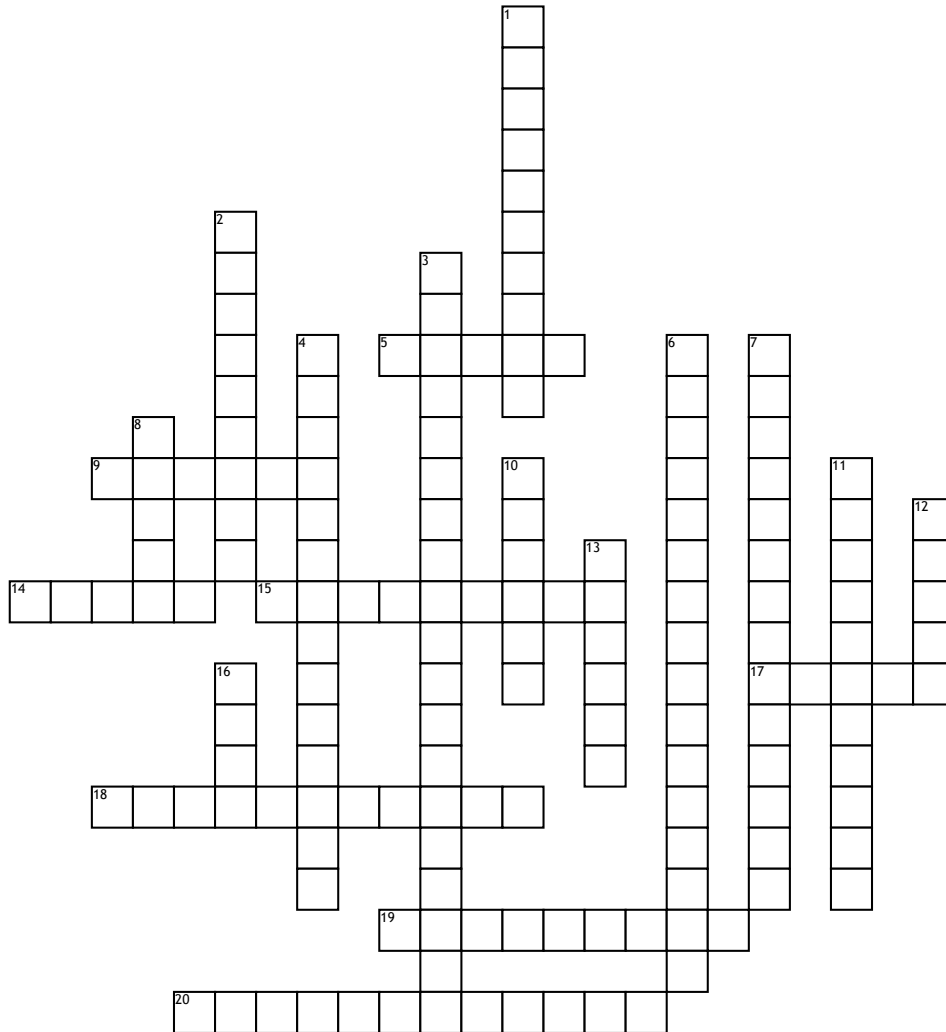


# All About Waves Crossword Puzzle



**Across**

- 5. This is the unit of measurement for frequency.
- 9. The low part of a transverse wave.
- 14. The high part of a transverse wave.
- 15. An oscillation of the parts of a fluid or an elastic solid whose equilibrium has been disturbed, or of an electromagnetic wave.
- 17. The rate at which a wave is able to move.
- 18. A part in a longitudinal wave where the coils are far apart.
- 19. An electromagnetic wave of a frequency used for long-distance communication.

- 20. The wavelengths that are visible to most human eyes.

**Down**

- 1. The length of one complete cycle of a wave.
- 2. The distance between the crest or trough and the waves resting position.
- 3. This wave travels at the speed of light ( 300,000 m/s )
- 4. This is a wave that requires a medium through which to travel.
- 6. This wave moves parallel to the direction in which the wave travels.
- 7. The matter in this wave moves up and down at a right angle in the direction of the wave.

- 8. An electromagnetic wave of high energy and very short wavelength, which is able to pass through many materials opaque to light.
- 10. The material through with a wave travels.
- 11. A part in a longitudinal wave when the coils are close together.
- 12. These are vibrations that travel through the air or another medium and can reach a persons ear.
- 13. The ability to do work or cause change.
- 16. A disturbance that transfers energy from place to place.

**Word Bank**

- |                 |                   |                      |              |
|-----------------|-------------------|----------------------|--------------|
| Sound           | Longitudinal wave | Electromagnetic wave | Speed        |
| Mechanical Wave | Compression       | Hertz                | Radiowave    |
| Energy          | Transverse wave   | Rarefaction          | Visiblelight |
| Vibration       | Wavelength        | Xrays                | Amplitude    |
| Trough          | Crest             | Medium               | Wave         |