

Word bank: (pulses horizontally, parallel, 90 degrees , (perpendicular), energy, crests, horizontally, rarefactions, troughs, compressions, string, Sound waves, light, Water waves)

Feature	Transverse Waves	Longitudinal Waves
Direction of Vibration	Vibrations occur at 1..... (2.....) to the direction of wave travel,	Vibrations occur 3..... to the direction in which the wave energy is moving,
Movement Description	The medium moves 4..... while the energy travels 5	The medium 6, creating a "push and pull" motion.
Key Structural Features	These waves are made up of 7..... and 8	These waves consist of 9 (bunched particles) and 10..... (spread particles).
Common Examples	11, waves on a 12, and 13 (electromagnetic waves),	14 are the primary example,
Matter vs. Energy	They transfer 15 without transferring 16; for example, a duck bobs but stays in place,	They transfer 17..... without transferring 18....., such as air particles vibrating back and forth from the source