

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 but staying near the source