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 to create sound waves.

LIVEWORKSHEETS