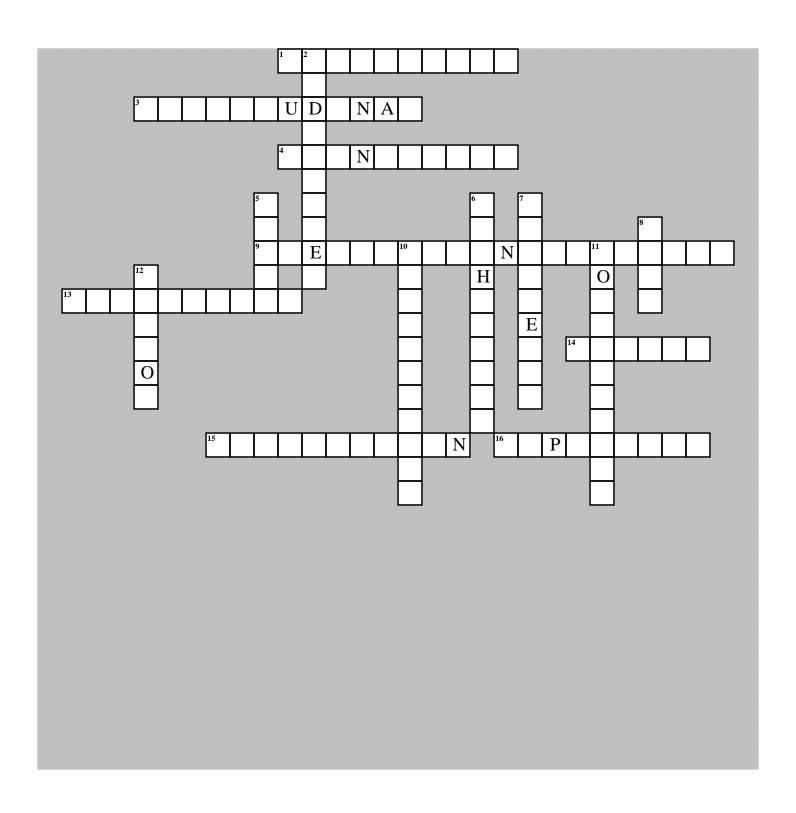
Name	Date (Kov.#.1. 765043)	
	(Key # 1 - 765043)	

SCI180U13 Wave Energy

Complete the crossword puzzle.



LONGITUDINAL TRANSVERSE CREST OSCILLATION WAVE TROUGH FREQUENCY SOUNDWAVES

PERIOD ELECTROMAGNETICWAVES LIGHTWAVES COMPRESSION RAREFACTION WAVELENGTH RADIOWAVES AMPLITUDE

Across

- 1 a wave where matter vibrates at right angles to the direction in which the wave travels
- 3 Means lengthwise. A wave produced by back and forth motion.
- 4 movement of sound through the air or other materials in a wave form created by the vibration of some object and detected by causing a sensor to vibrate (2 words)
- 9 combinations of electricity and magnetism that can travel through space. (2 words)
- 13 The distance between one crest or peak of a sound wave and the next crest or peak.
- 14 The low point of a sound wave (the rarefractions), where the lowest air pressure occurs.
- 15 A decrease in the density of something.

16 Amplitude is the distance from the midpoint to the point of maximum displacement (crest or compression).

Down

- 2 The longest wavelength, lowest frequency waves on the electromagnetic spectrum. (2 words)
- 5 The peak of a sound wave where the greatest air pressure occurs.
- 6 these waves have both electric and magnetic fields (2 words)
- 7 number of waves that pass a given point in one second; measured in waves per second, or hertz (Hz).
- 8 a traveling disturbance that moves energy from one location to another without transferring matter
- 10 up and down, back and forth motion

- 11 The area where particles or air are pushed closer together as a result of being near something that is vibrating.
- time for one wave to pass by



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Complete the crossword puzzle.

