Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WAVE VOCABULARY REVIEW

Choose a word from the box to complete each sentence.

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| --- |
| trough mechanical wave longitudinal wave frequency matter electromagnetic wave standing wave amplitude medium vibration crest transverse wave vacuum surface wave wave wavelength |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_A wave pattern; up and down motion; motion of medium is at a right angle to the direction of the wave.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Low point of a wave.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_A traveling disturbance that carries energy from one place to another.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Number of waves that pass a certain point in a given amount of time.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_A wave pattern; back and forth motion: series of compressions and rarefactions; motion of the medium is parallel to the direction of the wave.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_High point of a wave.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Movement that follows the same path repeatedly over and over again.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Greatest distance from rest position of a wave; width or height of the wave; how much it rises or falls from its original rest position.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Space free of particles; empty space; no matter present

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Anything that has mass and takes up space (volume)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Distance from 1 wave crest (or trough) to the next wave crest (or trough).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Any material through which a mechanical wave travels (Ex. Water, air, metal)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_A wave that consists of electric and magnetic fields; does not require a medium to exist (Ex. Light, radio, x-ray)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A wave pattern that is a combination of a compressional wave and transverse wave that occurs at the surface of 2 different mediums; moves in circles.

\_\_\_\_\_\_\_\_\_\_\_\_\_ A wave that disturbs a medium as if transfers energy as it travels through matter; it requires a medium (Ex. Sound, water)

\_\_\_\_\_\_\_\_\_\_\_\_\_ A wave pattern that does not seem to be moving.