

Name: _____
Blk: _____ Date: _____

Science 8
Properties of Waves

Read pgs 134-138 and complete the following worksheet.

A _____ is a disturbance or movement that transfers
_____ through matter or space.

_____ is the ability to apply a _____ over a
distance.

_____ is a push or pull on an object.

Define the following FEATURES OF A WAVE:

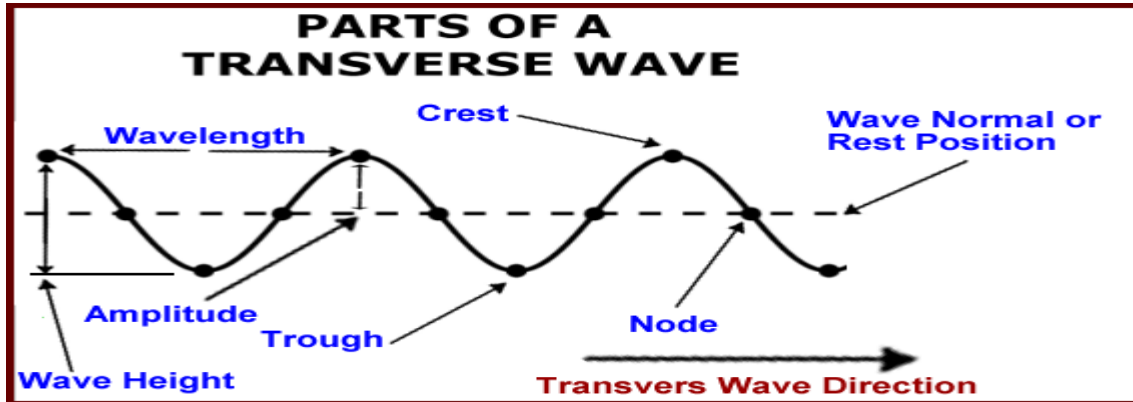
1. Crest:

2. Trough:

3. Wavelength:

4. Amplitude:

Use the terms: *crest*, *trough*, *wavelength* and *amplitude* to correctly label the following wave diagram:



The number of oscillations (repetitive motions) that occur in a given time is called a _____ and is measured in _____ (_____).

_____ is defined as cycles per second.

THE SHORTER THE _____, THE GREATER THE _____
 _____. Scientists refer to this as an _____
 _____.

TYPES OF WAVES:

- 1.
- 2.

The matter the waves move through is referred to as a _____.
 For SOUND waves the medium is _____.
 For OCEAN waves the medium is _____.

TRANSVERSE WAVES:

The matter in the medium moves _____ and _____ PERPENDICULAR (at right angles) to the direction that the wave travels. Example:

COMPRESSION WAVES:

The matter in the medium moves _____ and _____ along the SAME direction that the wave travels. Example:
