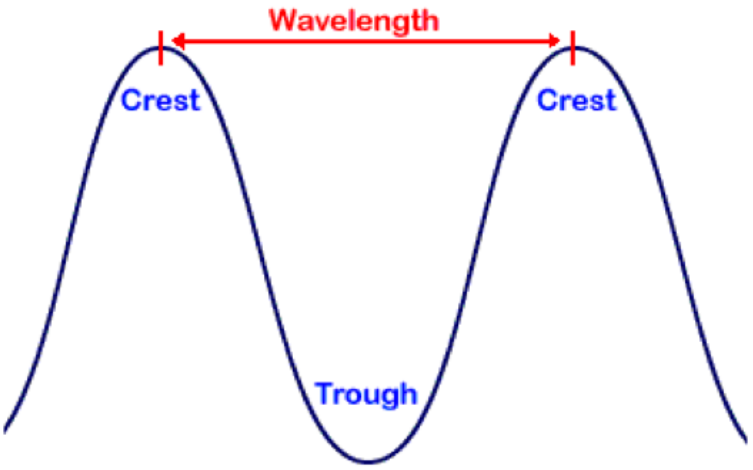
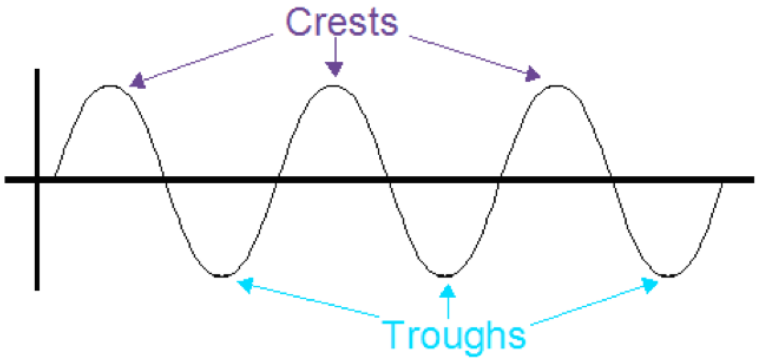
WAVES

Name _____

Part A: Amplitude and Wavelength

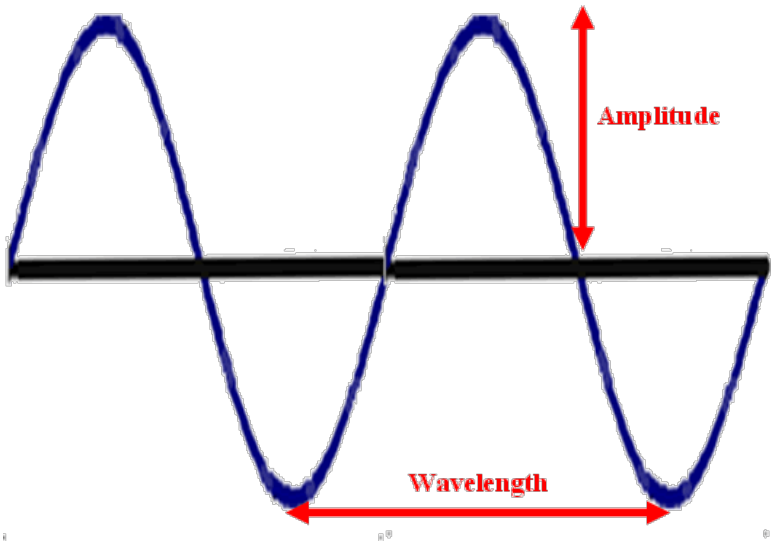
Crest Top of a wave.
Trough Bottom of a wave.
Wavelength Distance between two crests *or* distance between two troughs.
Amplitude Distance from the *middle of a wave* to a crest or a trough of a wave.

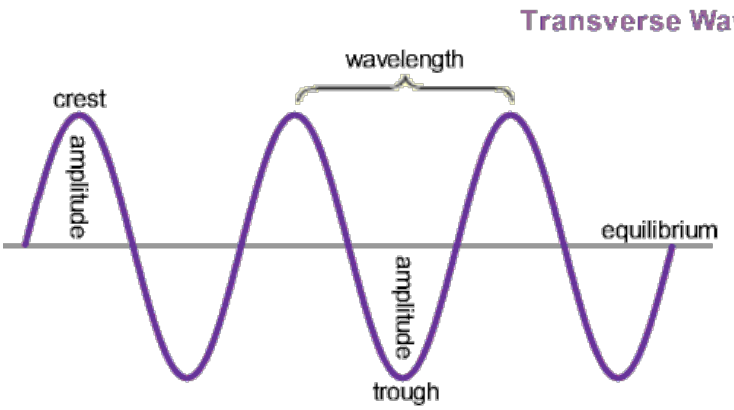




WAVES

Name _____



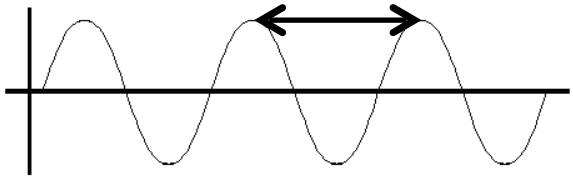
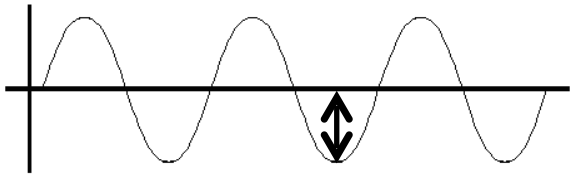
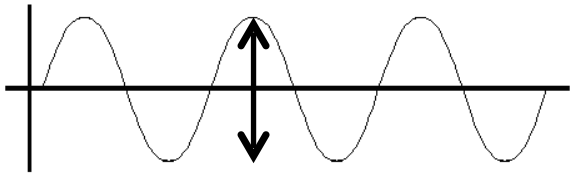
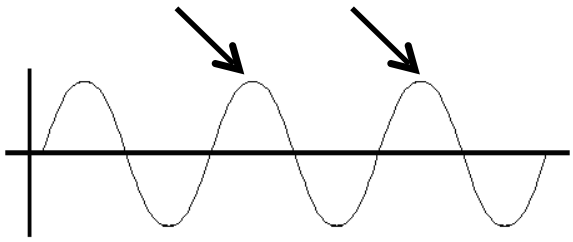
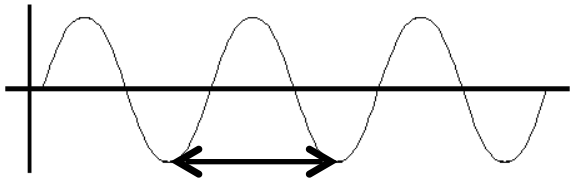
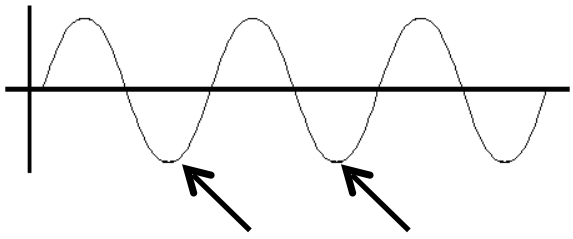


Special note about Amplitude

Amplitude is *not* the height of a wave from the bottom all the way to the top.
It is form the *middle* to the bottom or top of a wave.

WAVES

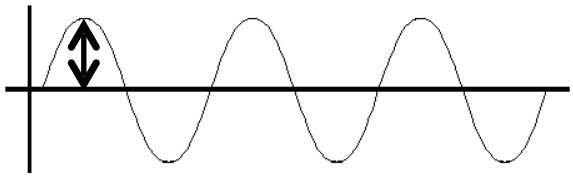
Name _____

A 1		A. crests B. troughs C. wavelength	D. amplitude E. twice the amplitude
A 2		A. crests B. troughs C. wavelength	D. amplitude E. twice the amplitude
A 3		A. crests B. troughs C. wavelength	D. amplitude E. twice the amplitude
A 4		A. crests B. troughs C. wavelength	D. amplitude E. twice the amplitude
A 5		A. crests B. troughs C. wavelength	D. amplitude E. twice the amplitude
A 6		A. crests B. troughs C. wavelength	D. amplitude E. twice the amplitude

WAVES

Name _____

A
7



A. crests

B. troughs

C. wavelength

D. amplitude

E. twice the amplitude

Match each word to the definition:

A.8 Wavelength	**Z.** Top of a wave
A.9 Amplitude	**X.** Height of a wave, from the middle to a crest
A.10 Crest	**Y.** Bottom of a wave
A.11 Trough	**Z.** Length between two crests of a wave

Fill in the Blank

A.12 The bottom of a wave is called the _____.

A.13 A taller wave has a greater _____.

A.14 When I measure the distance between one crest and another crest, I am measuring the _____.

A.15 The top of a wave is the _____.

A.16 Draw a transverse wave. Label the *crests* and *troughs*. [note: a transverse wave is a typical wave, like those on the previous page.]

A.17 Draw a transverse wave. Label two ways to measure the *wavelength*.

A.18 Draw a transverse wave. Label two different ways to measure the *amplitude*.