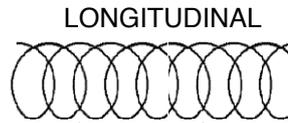
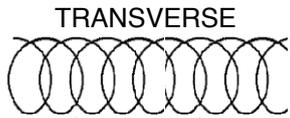
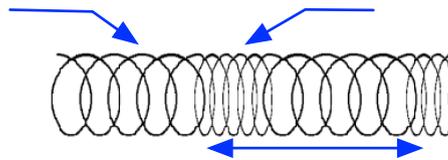
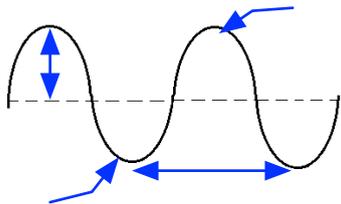


1. Use arrows to show which way you would move the end of the slinky to make each type of wave



2. Label each part of the wave



3. What is meant by a vibration?

4. What is meant by the medium of a wave?

5. For each kind of wave below
 - What is its medium?
 - Is it Transverse or Longitudinal?

TYPE OF WAVE	TRANSVERSE OR LONGITUDINAL?	MEDIUM
water waves		
slinky waves		
"the wave" at a stadium		
sound waves		
light waves		

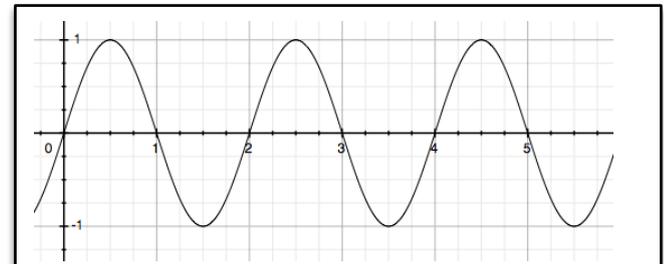
1. What is the frequency of a wave? What is it measured in?

2. I create 10 complete waves in 5 seconds on a slinky. What is the frequency of the waves?

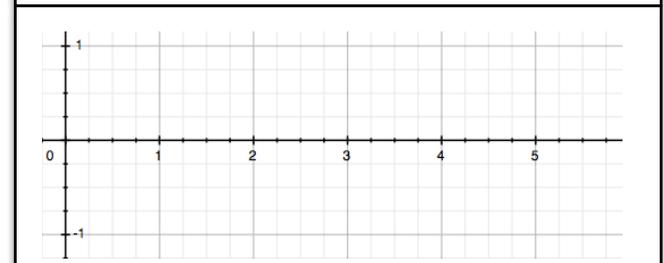
3. If a 2 Hz vibration sends waves toward you, how many complete wavelengths will pass by you over the course of...
 a) 1 second?
 b) 3 seconds?

4. Below is a wave. Sketch what the waves would look like if they were sent at twice the frequency and at half the frequency.

ORIGINAL WAVES



TWICE THE FREQUENCY



HALF THE FREQUENCY

