

Name: \_\_\_\_\_

Period: \_\_\_\_\_

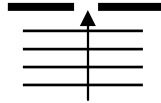
**HW Unit 10:4—Wave Actions**  
**Mr. Murray, IPC**  
**cstephenmurray.com**

**A-day: Due Fri., 3/27 (Assig: 4/25)**  
**B-day: Due Mon., 3/30(Assig: 4/26)**

1. When we were outside, you were able to hear me yell around the corner because of:
2. When I was talking towards the wall and you were behind me, you were able to hear me due to:
3. Is the wall a hard or soft surface (boundary)?
4. When I yell towards a coat or something soft, my voice seems softer due to:
5. When I used the light source to shine light thru the lenses, the light beams bent because of:

6. I showed you a little music box organ. When I made it work, it was quiet when it held it in the air. How did I make it louder?
7. What is that called?
8. Some one is on a swing.
  - A) If I push on them as they are going away from me their \_\_\_\_\_ gets bigger.
  - B) This is an example of:
  - C) Pushing on them while they are coming towards me is an example of:
9. A wave bounces off a hard boundary by:

10. The picture shows a wave going thru a hole. Notice the two corners. Remembering what happened when I talked around the corner, draw what you think will happen to the wave.



11. Using the graph at the right:
  - A) Mark one cycle on the graph starting from the first crest.
  - B) Find the wavelength of the motion.
  - C) Find the amplitude.
  - D) If the frequency is 14 Hz, find the speed of the wave.

HW Unit 10:4

