**ATTENTION STUDENT**: If you are found to have plagiarized any part of your PsychSim assignment, you will receive a 0 for the assignment and may be formally reported to KPU. If you wish to quote the source provided or any other webpage, you MUST cite the source using APA formatting. To avoid plagiarism, write all answers **in your own words**.

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**Name this file using the following format:**

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For example: SmithJohn\_A54\_AuditorySystem

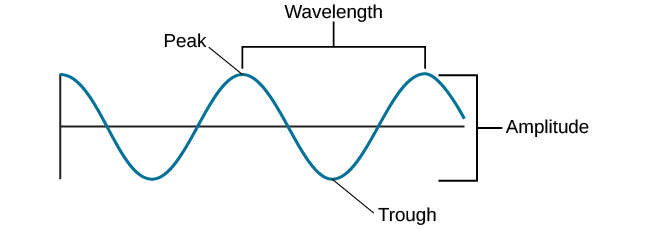
**PsychSim Online: The Auditory System**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Course/Section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Instructor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Sound and the Ear**  
Watch this video to answer the following questions:   
<https://www.youtube.com/watch?v=Ie2j7GpC4JU>

1. How does sound travel through the air?
2. Highlight or underline the option for each of the points on the graph



A

B

Point A represents the

* 1. Amplitude
  2. Distance
  3. Frequency
  4. Sound
  5. Wavelength

Point B represents the

1. Amplitude
2. Distance
3. Frequency
4. Sound
5. Wavelength
6. A high-pitched sound indicates a higher \_\_\_\_\_\_

A low-pitched sound indicates a lower \_\_\_\_\_\_  
  
A louder (or higher volume) sound indicates a higher \_\_\_\_\_\_  
A quieter (or lower volume) sound indicates a lower \_\_\_\_\_\_

1. Match the three main regions of the ear to their associated functions and components.

\_\_\_ Middle Ear A. Bony labyrinth that contains the vestibule, the   
 semicircular canals, and the cochlea

\_\_\_ External Ear B. Focuses the pressure of sound waves, and consists of the   
 Malleus, Incus, and Stapes

\_\_\_ Inner Ear C. The Pinna or Auricle catches the sound waves and   
 passes them along deeper through the auditory canal

1. The Eardrum is part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Inner/Middle/External) Ear
2. Why do only some fibers inside the cochlea move when sound is detected?