## Quiz - Basic Audio Engineering - Chapter #1

1. Atmospheric pressure refers to:

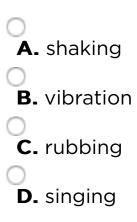
**A.** The region of space just prior to entering the earth's atmosphere.

**B.** The amount of pressure caused by a strong weather condition.

**C.** The density of air molecules around us at all times.

**D.** The amount of carbon dioxide in the atmosphere.

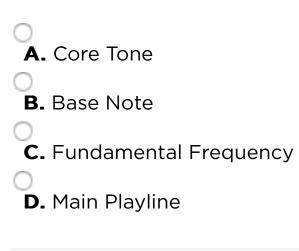
2. Sound is made possible through the \_\_\_\_\_\_ of a sound source displacing the air molecules around it.



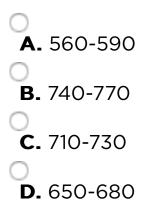
3. Frequency in terms of waveform characteristics refers to:

A. How loud a sound is
B. The perceived pitch of a sound
C. How fast a waveform is moving
D. The harmonic content of a fundamental note

4. \_\_\_\_\_\_ is the primary frequency of a sound. The sound may have overtones or lower harmonics present however the primary frequency content is called this.



5. Sound travels at roughly \_\_\_\_\_ miles per hour.

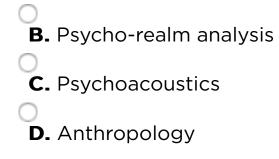


6. The tympanic membrane also known as the \_\_\_\_\_\_ is a flap of skin like material that acts as a diaphragm, receiving sound pressure waves and transmitting them the three bones in the inner ear.

\_\_\_\_\_ is the study of how sounds are perceived by the brain.

**A.** Acoustics

7.



8. Timbre refers to:

**A.** The harmonic frequency content that makes up the sound of a specific instrument.

**B.** The pitch of a note.

**C.** The length of the waveform.

**D.** The maximum amplitude an instrument is capable of.

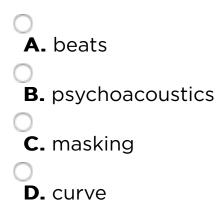
9. ADSR stands for:

A. Arppegiate, Delay, Sustain, Resonate

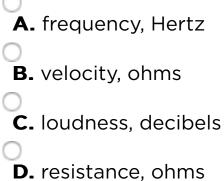
**B.** Attack, Delay, Sustain, Rewind

C. Aggress, Decay, Suspend, Release

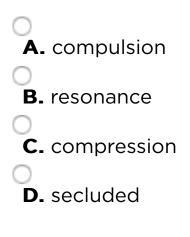
- **D.** Attack, Decay, Sustain, Release
- 10. Auditory \_\_\_\_\_\_ happens when one sound affects the perception of another sound by our brain either through amplitude or frequency content.



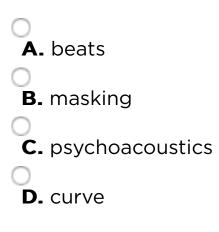
11. Amplitude is the measure of \_\_\_\_\_\_ and is measured in \_\_\_\_\_\_.



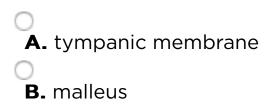
12. Sound pressure waves are made up of two regions, \_\_\_\_\_\_ (high pressure region) and rarefactions (low pressure region).

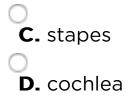


13. Acoustic \_\_\_\_\_\_ occur(s) when two sounds close in frequency are played together. The result is a an audible phase interaction.

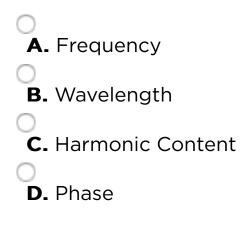


14. The \_\_\_\_\_\_ is a snail shaped organ that contains reed-like fibers connected to hair follicles that vibrate at a resonant frequency.





15. \_\_\_\_\_\_ is the measure of the amount of compressions and rarefactions (complete cycles) that occur in 1 second of time.



## Save Your Work

**Note:** This assignment must also be turned in to your mentor. Please click the **Print** button on the top right of this page after saving.

