Quiz - Basic Audio Engineering - Chapter #1

1. Atmospheric pressure refers to:

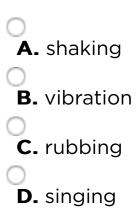
A. The region of space just prior to entering the earth's atmosphere.

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.

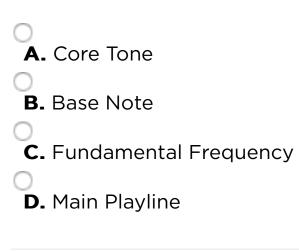
2. Sound is made possible through the ______ of a sound source displacing the air molecules around it.



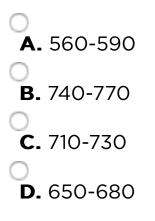
3. Frequency in terms of waveform characteristics refers to:

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.

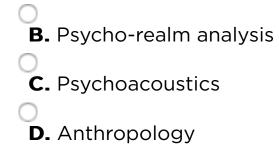


6. The tympanic membrane also known as the ______ is a flap of skin like material that acts as a diaphragm, receiving sound pressure waves and transmitting them the three bones in the inner ear.

_____ 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.

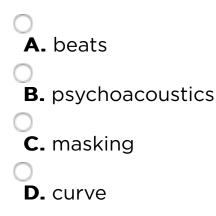
9. ADSR stands for:

A. Arppegiate, Delay, Sustain, Resonate

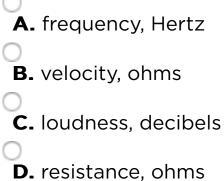
B. Attack, Delay, Sustain, Rewind

C. Aggress, Decay, Suspend, Release

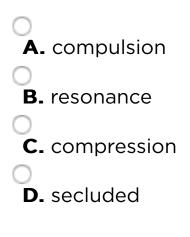
- **D.** Attack, Decay, Sustain, Release
- 10. Auditory ______ happens when one sound affects the perception of another sound by our brain either through amplitude or frequency content.



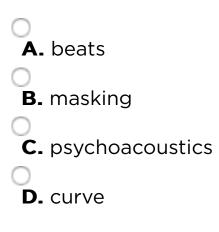
11. Amplitude is the measure of ______ and is measured in ______.



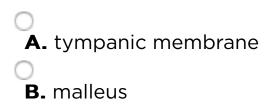
12. Sound pressure waves are made up of two regions, ______ (high pressure region) and rarefactions (low pressure region).



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

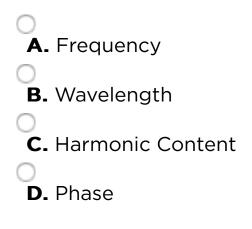


14. The ______ is a snail shaped organ that contains reed-like fibers connected to hair follicles that vibrate at a resonant frequency.





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



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