

Access eBook (<http://rrfedu.activetextbook.com/>)

Student: Darrel Domanico

## Basic Audio Engineering - Chapter #3 Quiz

1. The Nyquist Theorem states that:

**Your Answer: The highest frequency able to be sampled is half the sample rate.**

2. All audio should be recorded to your computer's internal hard drive.

**Your Answer: False**

3. In 1976 the Fairlight CMI was released. The Fairlight CMI was the first:

**Your Answer: A Polyphonic Digital Sampler**

4. \_\_\_\_\_ works by sampling the original file and removing frequency ranges that the average listener can't hear.

**Your Answer: Lossy File Compression**

5. At 16 bit, one minute of audio takes up approximately \_\_\_\_ of space on your computer.

**Your Answer: 10 MB**

6. \_\_\_\_\_ remains the most widely used digital audio format today, however is a lossy compressed format that is inferior to other formats.

**Your Answer: mp3**

- 
7. An audio CD that holds 700 MB of information, can hold about \_\_\_\_ minutes of audio.

**Your Answer: 70**

---

8. A \_\_\_\_\_ was one of the first digital audio devices. It is a device that keeps track of the order trigger events are played in.

**Your Answer: Sampler**

**Incorrect:** Correct Answer is Sequencer

---

9. The \_\_\_\_\_ \_\_\_\_\_ refers to the amount of "pictures" taken of a waveforms amplitude over 1 second.

**Your Answer: Sample Rate**

---

10. Recording 24 tracks simultaneously at 32 bit/192k will use about \_\_\_\_ a minute.

**Your Answer: 1 GB**

---

11. A \_\_\_\_\_ works by storing recorded sounds in memory, allowing the individual sounds to be played back as they are triggered.

**Your Answer: Sampler**

---

12. The \_\_\_\_\_ \_\_\_\_\_ refers to the amount of possible amplitude values present in the digital audio signal.

**Your Answer: Bit Depth**

---

## Assignment Grade

**Overall Grade:** A

**Instructor Notes:**

92% (11 / 12)

**Graded by:** auto

**Date Graded:** 2017-07-24 17:31:10

**Date Submitted:** 2017-07-24 17:31:06