#13:

1. What unit is sample rate measured in?
   A. Bits per second (bps)
   B. Hertz (Hz)
   C. Megabits per second (Mbps)
   D. Decibels (dB)

2. Which of the following is true if you increase the sample rate? (more than one should be selected)
   A. Better quality of recording
   B. Needs greater storage space
   C. Larger file size
   D. Decrease in quality

3. What sample rate is used for CD quality sound?
   A. 44,100 Hz
   B. 88,200 Hz
   C. 22,100 Hz

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4. What is a sampling rate?
   A. The number of samples taken per second
   B. The number of bits per second needed to store sound
   C. The number of different volume levels per second
   D. The highest frequency in the sound file

5. The higher the resolution, the ____ the file size.
   A. Smaller
   B. Larger

6. Define the term 'bit depth'.
   A. Snapshots of sound are taken as the wave cannot be represented as a series of continuous changes.
   B. The number of samples taken each second
   C. The number of bits used per second of audio
   D. The number of bits available to record each sample

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7. The resolution of a sound file is the same as...
   A. its bit depth
   B. its bit rate
   C. its highest frequency
   D. its sample rate

8. If a CD uses a bit depth of 16 bits, how many different levels of amplitude are available for each sample recording?

ملحوظة: تحتاج البحث للإجابة على هذا السؤال

   A. 2^{16} = 65,536 different levels
   B. 16 different levels
   C. without the sample frequency we can't know
   D. 16 x the resolution of the file