 Sound Files

**Task 1**

1. Complete the following sentences

Sound is converted from an \_\_\_\_\_\_\_\_\_\_\_\_ form to a \_\_\_\_\_\_\_\_\_ form through sound \_\_\_\_\_\_\_\_\_\_\_\_ - this is where \_\_\_\_\_\_\_\_\_\_\_ of sound are taken in a second. The number of these taken in a second is known as the sampling rate

1. Why is it better to have a high **sampling rate**?
2. Why is it better to have a high **sample resolution?**



**Task 2**

1. An audio file has the sampling rate of **40KHz** and a Sampling Resolution (Amplitude) of **10 Bits** over **5** **Second** clip. What is the file size in Kb?



