**Representing Sound Worksheet**

**Task 1) Watch the short video clip (Part 1: Sample Rate, Part 2: Bit-depth, Part 5: Interpolation)**

**Task 2) Explain what these key terms mean:**

1. **Sample rate**
2. **Bit-depth**
3. **Interpolation**

**Task 3) Answer the following questions about the video:**

1. **What is the most commonly used sample rate?**
2. **What is the most commonly used bit-depth?**
3. **How many bits are needed to store one second of music using this sample rate and bit-depth? (What is this in bytes?)**
4. **Extension) Find out the difference between CD quality sound and mp3/AAC quality sound. Which is better in terms of quality? Which is better in terms of file size?**