



## WORKSHEET

### Unit 7\_Music in Our World

#### Listen to This!

“Hey, turn that music down!” Do you ever wonder why your parents tell you to turn the volume down when you’re listening to loud music? It’s not because they don’t like the type of music. (Well, hip-hop might not be their favorite music!) It’s important to listen to music and other sounds at the right volume because if you don’t, it can hurt your ears!

Did you know that sound travels in waves? Sometimes, a sound is too high or too low for people to hear, depending on how fast or slow the sound waves are moving. The movement of sound can be measured in units called hertz (Hz). The range that humans can hear is 20–20,000 Hz. Dolphins can hear sounds from 75–200,000 Hz! That means they can hear things we can’t.

We measure the volume of a sound in decibels (dB). The sound of people whispering is about 30 dB, the sound of a rock concert is closer to 115 dB, and the sound of a jet engine is about 140 dB! The maximum output of most MP3 players is between 70–90 dB, which is really loud! Try to keep the volume at 50 dB, or a level that allows you to easily hear people around you talking. Your ears will thank you!

#### I. Read. Circle the correct answer A, B, C or D.

##### 1. What is the text about?

- A. the volume of sound
- B. sound waves
- C. types of music
- D. the joy of music

##### 2. Why do your parents tell you to turn the volume down?

- A. They don’t like the type of music.
- B. They don’t like hip-hop.
- C. They don’t like loud noise.
- D. They want us to listen to music at the right volume.

##### 3. What is the range that humans can hear?

- A. 75-200,000 Hz
- B. 20-20,000 Hz
- C. 40-60,000 Hz
- D. 40-20,000 Hz

##### 4. What is the maximum output of most MP3 players?

- A. 30 dB
- B. 115 dB
- C. 70-90 dB
- D. 140 dB

#### II. Fill in the blank.

Things	Volume of sounds
Sound of people whispering	About ..... dB.
Sound of a rock concert	Closer to ..... dB.
Sound of a jet engine	About ..... dB.
Maximum output of MP3 players	Between ..... dB.