

## Practice Worksheet

1. Tick (✓) the correct box beside each sentence.

	True	False
Sound can be produced without vibration.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sound can travel through different states of matter.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
When an object vibrates quickly, a high-pitched sound is produced.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The volume of a drum decreases as you hit it harder.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Complete the sentences using the words below.

fast

loud

quiet

strength

vibrates

- (a) The pitch of a sound depends on how fast or slow an object vibrates.
- (b) The volume of a sound depends on the strength of the vibrations.

3. Joseph is playing the drums. What happens to the volume when he uses a heavier pair of drumsticks to play the drums?

Circle the correct answer.

**the volume is louder**

the volume is quieter

the volume remains the same

4. A xylophone produces sounds of different pitches.  
Write 'high' or 'low' in the boxes below.

