

## Properties of Sound Worksheet

### Part 1: Fill in the Blanks

1. Sound travels in \_\_\_\_\_.
2. Sound travels better through \_\_\_\_\_ because \_\_\_\_\_.
3. Sound travels worse through \_\_\_\_\_ because \_\_\_\_\_.
4. Sound \_\_\_\_\_ travel in space because \_\_\_\_\_.
5. The volume of sound is measured using a \_\_\_\_\_, and the unit is \_\_\_\_\_.
6. Big vibrations create \_\_\_\_\_ sounds, while small vibrations create \_\_\_\_\_ sounds.
7. Quick vibrations produce \_\_\_\_\_ sounds, and slow vibrations produce \_\_\_\_\_ sounds.
8. A method to reduce the volume of sound is to \_\_\_\_\_ it.

### Part 2: Matching Activity

Statement	Explanation
1. Sound travels better through solids	A. There are no particles to carry vibrations.
2. Sound cannot travel in space	B. Particles are packed closer together.
3. Sound travels worse through liquids	C. Particles are further apart than in solids.
4. Big vibrations make loud sounds	D. Vibrations are reduced by certain materials.
5. Muffling sounds	E. Small vibrations create quiet sounds.

### Part 3: True or False

1. Sound travels faster in liquids than in solids. \_\_\_\_\_
2. The unit for measuring sound volume is decibels (dB). \_\_\_\_\_
3. Slow vibrations create high-pitched sounds. \_\_\_\_\_
4. A sound level meter is used to measure the pitch of sound. \_\_\_\_\_
5. Quick vibrations create high-pitched sounds. \_\_\_\_\_