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. _____

LIVEWORKSHEETS