

Sound

Use your textbook to help you fill in the blanks.

What is sound?

1. Sound is produced when an object moves back and forth quickly, or _____.
2. Sound happens only when something _____.
3. When a sound is made, vibrations move through the air in _____ in all directions.
4. Sound travels through all types of matter, but at different _____.
5. Sound travels slowest through a(n) _____.
Sound travels more quickly through _____
and most quickly through _____.

How are sounds different?

6. A _____ is how high or low a sound is.
7. The speed of a(n) _____ tells whether a sound will be a high pitch or a low pitch.
8. The _____ of a musical instrument's strings affects pitch. An object's _____ also affects the speed at which it vibrates.
9. The loudness of a sound is its _____.