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# Sound Energy Science Lesson

— Vocabulary Cards —

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# Pitch

**Pitch** is the quality of a sound governed by the rate of vibrations producing it; the degree of highness or lowness of a tone.

# Sound Waves

**Sound Waves** travel through air, water, and solid objects as *vibrations* (a back and forth movement).

# Vibrations

**Vibrations** are back and forth movements created when something vibrates sending waves of energy.

# Air Molecules

**Molecules** are the smallest unit of a substance that has all the properties of that substance (such as air).

Kinetic **energy** from the moving **air molecules** transfers the **sound energy**, for example, to the dancers eardrums.

# Membranophone

**Membranophone** any of a class of musical instruments (such as a drum or kazoo) whose sound is generated by striking, rubbing, or singing into a stretched membrane.

# Membrane

**Membrane** of a drum (drumhead or drum skin) is stretched over one or both of the open ends of a **drum**.

The drumhead is struck with sticks, mallets, or hands, so that it vibrates and the sound resonates through the **drum**.