



Loud or soft?

Background knowledge

In addition to pitch, *loudness* is another property of sound. If you hit a cymbal softly, it makes a soft sound. If you hit it hard, it makes a loud sound. The harder you pluck a guitar string, the louder the sound it makes. The harder you blow a whistle, the louder the sound it makes. All musical instruments work in the same way.

Science activity

Michael put some grains of rice on the skin of a tambourine. When he beat the tambourine, the rice jumped up and down as the skin vibrated.

What do you think will happen to the rice grains if Michael beats the tambourine harder?

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