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## VIBRATION CAUSES SOUND

**Question:** How does the sound change on a piece of string?

**Prediction:** Respond **Higher** or **Lower** to the following statements.

When I pull the string **tighter**, the sound will go \_\_\_\_\_.

When I **loosen** the string, the sound will go \_\_\_\_\_.

When I make a **bigger** circle around my head by moving my hand farther from my face, the sound will go \_\_\_\_\_.

When I make a **smaller** circle by moving my hand closer to my face, around my head, the sound will go \_\_\_\_\_.

**Experiment with the string now!**

**Results:** Respond **Higher** or **Lower** to the following statements.

When I pull the string **tighter**, the sound goes \_\_\_\_\_.

When I **loosen** the string, the sound goes \_\_\_\_\_.

When I make a **bigger** circle around my head, the sound goes \_\_\_\_\_.

When I make a **smaller** circle around my head, the sound goes \_\_\_\_\_.

**Conclusion:** Use the following words to complete the statement.

higher, sound, lower, stops, vibrates

When I pull on the string, the string \_\_\_\_\_.

When the string is vibrating, I hear \_\_\_\_\_.

When the string stops moving, the sound \_\_\_\_\_.

When I change how tight or loose the string is, the sound goes \_\_\_\_\_ or \_\_\_\_\_.

When I change the size of the circle around my head, the sound goes \_\_\_\_\_ or \_\_\_\_\_.