

TEAMS

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Sound All Around - Student Journal

Name: _____

(1.) Tuning Fork Vibrations

Explain how you think the tuning fork caused the water to splash.

Why does one tuning fork sound differently than another?

(2.) Rubber Band Guitars

Explain how the rubber band produced sound when you plucked it.

Why do you think the rubber band vibrates louder on the guitar than it does all by itself?

(3.) *Drum it Up*

What do you think is happening to the rice grains? Draw a picture to explain what you observe.

Would an object larger than a grain of rice, such as a potato, vibrate the same as the rice grain?

How could we tell that the drum is vibrating even if we didn't have any rice?

(4.) *The First Phones*

Explain how do you think the sound is getting from one cup to the other?

Do you think that real phones work in the same way? Explain.

(5.) *Too Loud*

Do you think that the communities where we live are getting quieter or louder overall? Explain why you think this.

What are some things that you can do to prevent your hearing from being damaged?