

TEAMS

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Sound All Around - Student Journal

Name: _____

(1.) Tuning Fork Vibrations

- (1.) Draw a picture of the tuning fork as it vibrates in the air. Write one or two words that describe the sound.

Draw a circle around the tuning fork that vibrates with the highest sound (pitch)?



Long tuning fork

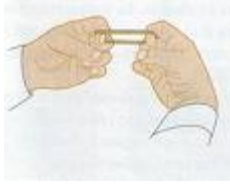


Short Tuning Fork

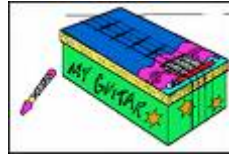
(2.) Rubber Band Guitars

Describe what happened to the rubber band when you plucked it.

Does the rubber band vibrate louder on the guitar than it does all by itself? Circle one.



all by itself



on the guitar

(3.) *Drum it Up*

Draw a picture to show what is happening to the rice grains on the drum .



Write a sentence to explain how you think we can tell that the drum is vibrating even if we didn't have any rice?

(4.) *The First Phones*

Draw a picture to show how you think the sound is getting from one cup to the other?

Circle the kinds of materials that sound can travel through? Explain.



Solids



Liquids



Gases

(5.) *Too Loud*

Do you think that our world is getting quieter or louder overall? Circle your answer. Why do you think that?



Louder



Quieter

Draw two things that you can do to prevent your hearing from being damaged?