

WALT: Use observations from investigations to justify if sound is made from vibrations.

|      |   |  |
|------|---|--|
| ALL  | Make careful observations of what you <u>see, feel</u> <u>and hear</u> . (Can you identify the vibrations?) |  |
| MOST | Decide how to record your observations.   |  |
|      | Identify how sound is made.   |  |
| SOME | Explain that sometimes sounds can be heard even if the vibrations cannot be seen                            |  |

This is your success criteria for this lesson. Once you have completed the work for today, tick the boxes which you feel accurately describes how well you have done.

Sound is only made when something vibrates?

Do you think this statement is

- Always true?
- Sometimes true?
- Never true?

Watch this clip to learn more

<https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/zstr2nb>

Have a go at the four activities below. Record your findings in the table on the next page or create your own recording sheet.

### 1.WALT identify how sounds are made

- Put a ruler on the edge of a table.
- Hold it firmly with one hand (or clamp it).
- Pull down the end which is sticking over the edge and let go.

Record in writing or in a labelled drawing what you see, hear and feel.

### 2.WALT identify how sounds are made,

- Stretch an elastic band with your hands (Take care!)
- Ask a family member to pluck it with a finger.

Record in writing or in a labelled drawing what you see and feel.

### 3.WALT identify how sounds are made, associating some of them with something vibrating.

- Put your fingers on the front of your throat (where your voice box is)
- Hum loudly.

Record in writing or in a labelled drawing what you see and feel.

### 4.WALT identify how sounds are made

- Stretch a piece of cling film over a plastic bowl|
- Sprinkle some grains of sugar or hundreds and thousands onto the cling film.
- Talk loudly by the edge of the bowl or touch the top of the clingfilm with your mouth and hum.

Record in writing or in a labelled drawing what you see and feel.

| Activity   | Write a description or draw a picture to show what is happening (Add labels to explain). |
|--|--|
| <p>1. Bouncing a ruler held on the edge of the desk</p>        |  |
| <p>2. Plucking an elastic band</p>                             |  |
| <p>3. Feeling my throat while humming</p>                      |  |
| <p>4. Speaking or humming next to a bowl with sugar on</p>  |  |

Sound is only made when something vibrates?

Do you think this statement is

- Always true?
- Sometimes true?
- Never true?

Explain your reasoning

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