



### Year 4 Science -Term 3 Week 3 Lesson 2

LO: To understand how sound travels.

Dr. Binocs is getting tired of looking at his laptop screen during this e-learning period. He was busy working on sound with year 4's when he got totally confused. All of the words started to look the same for him. He has asked if you would help him sort the following paragraph out. Please use the video to find the missing words.

## Sound by Dr. Binocs.

1. Sound is a wave of \_\_\_\_\_ that travels through three states of matter; \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
2. All sound starts with a \_\_\_\_\_. When there is movement, it causes vibrations in the molecules, which in turn causes the other molecules around them to also \_\_\_\_\_. These vibrations going from molecule to molecule help sound to travel.
3. In spaces where there is no state of matter, \_\_\_\_\_ will not travel. This is because there is no \_\_\_\_\_ to vibrate.
4. \_\_\_\_\_ is an important measure of sound.
5. When there are lots of sound waves in a given place, it means the frequency is \_\_\_\_\_.
6. When the number of waves becomes less, we hear \_\_\_\_\_ frequency sounds

|           |                     |               |        |               |     |
|-----------|---------------------|---------------|--------|---------------|-----|
| molecules | high                | vibration (2) | liquid | sound         | low |
| gas       | mechanical movement | Frequency     | solid  | vibrations(1) |     |