

## Sounds: Do You Hear How I Hear?

1. Use the purple words and your scientific knowledge to complete the sentence.

\_\_\_\_\_ are made when \_\_\_\_\_ and \_\_\_\_\_.

objects

sounds

materials

?

1. How does sound travel? (Tick one)

- A. Sound travels in waves.
- B. Sound travels fast.
- C. Sound travels slowly.
- D. Sound does not travel.



2. What unit do we use to measure sound? (Tick one)

- A. pounds
- B. kilograms
- C. decibels
- D. centimetres



3. How would you increase the volume of a drum beat?

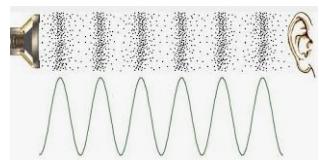
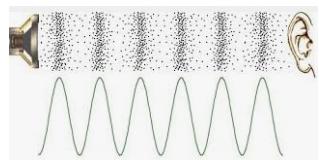
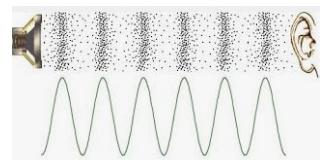
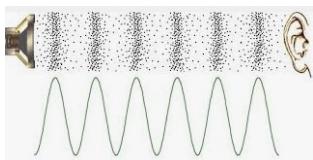
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4. Explain how this would increase the volume.

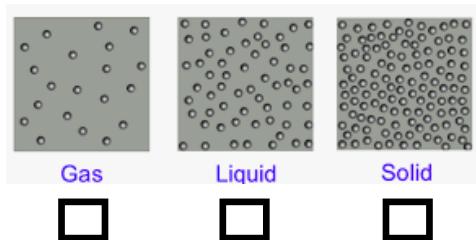
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5. What does sound **travel** through best? Tick one.



6. Explain why.

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5. The **tightness** of a string on a musical instrument can cause sound to change. What kind of sounds do tighter strings produce? (Tick one)

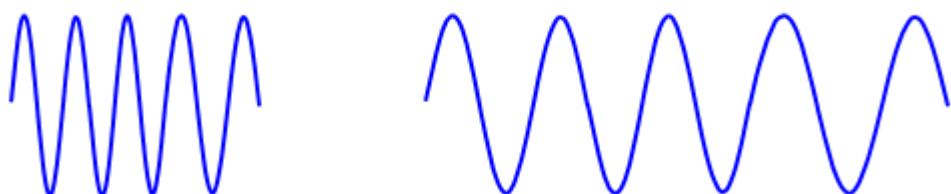
- A. High **volume**
- B. High **pitch**
- C. Low **volume**
- D. Low **pitch**



6. Circle **the correct word** for this sentence.

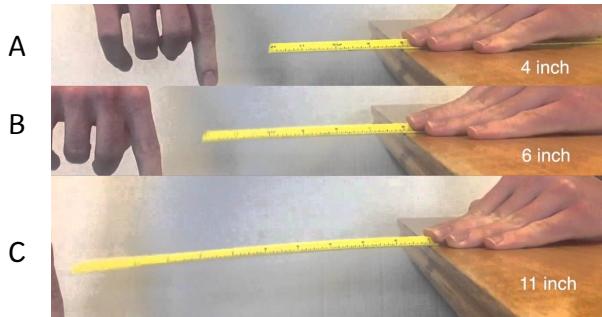
High **pitch** sounds create **quicker/slower** **vibrations** than low pitch sounds.

7. Circle **the sound wave below** that shows a **low pitch** sound.



9. When you flick a ruler (see below), which one would produce the:

- A. highest **pitch** sound?
- B. lowest **pitch** sound?



9. Two children are talking about sounds. Who is correct?



Kamen

Philip

10. Explain your answer using your scientific knowledge.

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