



**Year 4 Science -Term 3 Quiz**

Name: \_\_\_\_\_

**Sound**

**Total: 20**

**Year 4: \_\_\_\_\_**

**Question 1: Sound and Pitch**

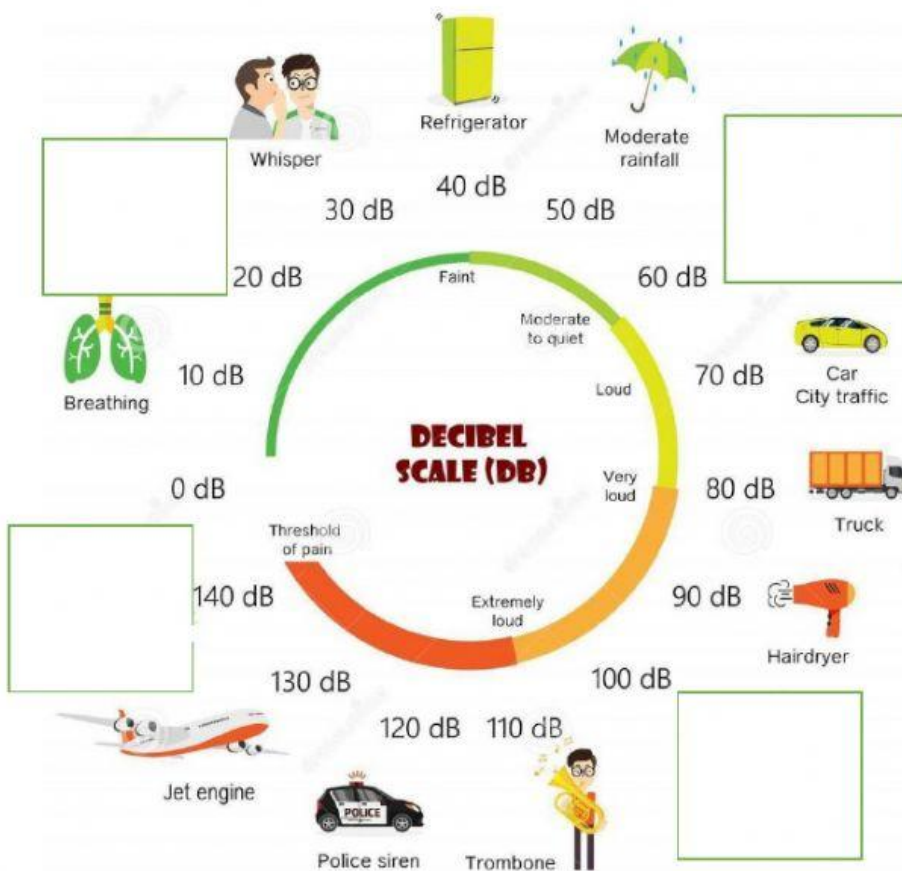
Select **ONE** correct answer to complete the following statements

1. **Sound** is made when an object...
  - a. Turns
  - b. Vibrates
  - c. Moves
2. When an object **vibrates**, it moves back and forth very...
  - a. Quickly
  - b. Gradually
  - c. Orderly
3. The **volume** of sound is **measured** in...
  - a. Kilometers
  - b. Decibels
  - c. Capacity
4. **Volume** is how \_\_\_\_\_ or \_\_\_\_\_ a sound is.
  - a. loud or quit
  - b. big or small
  - c. high or low
5. **Pitch** is how \_\_\_\_\_ or \_\_\_\_\_ a sound is.
  - a. big or small
  - b. hard or soft
  - c. high or low
6. In a **string** instrument. The tighter, thinner, or shorter the sting is, the \_\_\_\_\_ the pitch.
  - a. Lower
  - b. Higher
  - c. Louder
7. In a **sting** instrument. The looser, thicker, or longer the sting is, the \_\_\_\_\_ the pitch.
  - a. Lower
  - b. Higher
  - c. Softer

8. In a **wind** instrument. Shortening the column of air will create a \_\_\_\_\_ pitch sound.
- Louder
  - Higher
  - Lower
9. In a wind instrument. Lengthening the column of air will create a \_\_\_\_\_ pitch sound.
- Softer
  - Lower
  - Higher

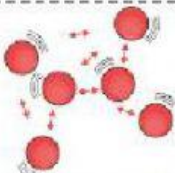



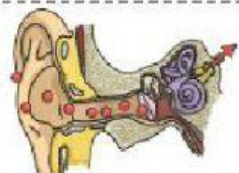
### Question 2: Volume and decibels

Look at the following decibel meter and **drop and drag** the missing picture.



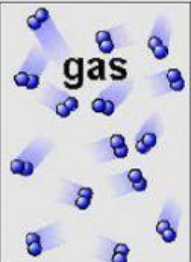
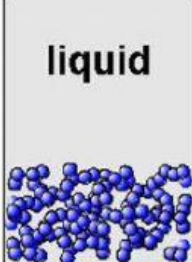
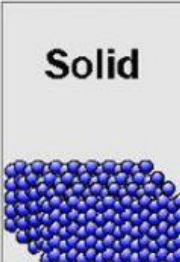
**Question 3: How does sound travel to the ear:**

Drop and drag the pictures in the order it reaches the ear.

Step 1	Step 2	Step 3	Step 4	Step 5
 <p>The vibrations pass from particle to particle.</p>	 <p>Vibrations pass from the sound source to particles in the air around it.</p>	 <p>The vibrations reach your ear, and pass into your ear.</p>	 <p>The sound source begins to vibrate.</p>	 <p>The vibrations are changed into electrical signals and sent to your brain. Your brain tells you that you are hearing a sound!</p>

**Question 4: Speed of sound**

- a. Through which state of matter will sound travel the fastest?

 <p>gas</p>	 <p>liquid</p>	 <p>Solid</p>
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- b. It is \_\_\_\_\_ for sound to travel in space.