

Understanding Pitch: High and Low

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Review Your Knowledge on Sound Waves

Name: _____

Date: _____

Answer the following questions based on what you learned about pitch and sound waves.

1. What determines whether a sound is high or low?

- A. The volume of the sound
- B. The frequency of sound waves
- C. The color of the object

2. Faster vibrations create ____ pitches.

3. How do different objects create different pitches? Provide an example.

4. Slower vibrations produce higher pitches.

- True False

5. Which of the following instruments typically makes a high sound?

- A. Violin
- B. Trombone
- C. Bassoon

6. A deep voice sounds different from a high voice because the deep voice has a lower ____ frequency.

7. What is one way we can use sound to praise God, according to Psalm 98:4?

8. All objects vibrate at the same frequency when creating sound.

- True False

9. Which of these statements is true?

- A. All high pitches come from large objects
- B. High pitches come from fast vibrations
- C. Low pitches come from fast vibrations

10. Why is it important to appreciate God's design in sound creation?

Answer Key

1. The frequency of sound waves 2. higher 3. Different objects vibrate at different speeds. For example, a small flute makes a higher sound than a large tuba because the flute vibrates faster. 4. False 5. Violin 6. sound 7. We can make joyful noises and sing praises to Him. 8. False 9. High pitches come from fast vibrations 10. Because it shows how intricate and wonderful His creations are, allowing us to express joy and praise through music.

