

Volume: Loud and Soft

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Understanding Sound Waves

Name: _____

Date: _____

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

1. What makes a sound loud or soft?

- A. The height of the sound wave
- B. The speed of the sound wave
- C. The color of the sound wave

2. How does energy affect sound waves?

3. Loud sounds have smaller wave amplitudes.

- True False

4. Psalm 98:4 encourages us to make a joyful noise to ____!

5. What happens when more energy is added to a sound wave?

- A. The sound becomes softer
- B. The sound stays the same
- C. The sound becomes louder

6. Can you think of a time when you heard a loud sound in nature? Describe it.

7. Animals do not use different sound volumes.

- True False

8. Amplitude is the ____ of a sound wave.

9. Which of the following reflects God's creative design in sound waves?

- A. Our ability to sing
- B. Silence in nature
- C. The color of the sky

10. Why is it important to understand sound volume in our daily lives?

Answer Key

1. heights of the sound wave 2. More energy creates larger sound waves, making sounds louder. Less energy creates smaller waves, resulting in softer sounds. 3. False 4. Yahweh 5. The sound becomes louder 6. I heard thunder during a storm, and it was very loud. It made me feel a little scared but also amazed. 7. False 8. height 9. Our ability to sing 10. Understanding sound volume helps us communicate better and appreciate music and nature. It also helps us know when to be quiet or loud.