

Year 5 Sound – Question Set 2

1. Sound Basics

1. What do we call the back-and-forth movement that creates sound?
2. Why can't sound travel in space?
3. What is a sound source?
4. Give two examples of natural sound sources.
5. Give two examples of man-made sound sources.

2. Pitch & Volume

6. How can you make a drum sound louder?
7. How can you make a drum sound quieter?
8. What happens to the pitch when you make a vibrating object shorter?
9. Why do longer objects usually make lower sounds?
10. If two sounds have the same pitch but different volumes, what is different about their vibrations?

3. Hearing & Ear Facts

11. What does the ear canal do?
12. What is the job of the eardrum?
13. Why is the cochlea important?
14. How does the brain help us understand sound?
15. What might happen if the tiny bones in your ear couldn't move?

4. Investigating Sound

16. How could you test which material lets sound pass through the best?
17. What equipment could you use to measure how loud a sound is?
18. How can you make a string instrument's pitch change without changing the string?
19. Why might a classroom with carpets be quieter than a classroom with a tiled floor?
20. Why does sound sometimes echo in large empty spaces?