

Nova's Sound Adventure Quiz

Learning objective: To identify how sounds are made and how they travel through different materials.

Hello! I am Nova the owl. Let's test what you know about sound. Read each question carefully. Use the word bank if you get stuck. You can do this!

Answer Key: 1. A (vibration), 2. True, 3. False (it travels faster in solids), 4. B (pitch), 5. True, 6. ear, 7. B (gets quieter), 8. False, 9. vibration, 10. True.

Word bank: vibration · ear · volume · pitch · solid · liquid · gas

1. 1. What do we call the quick shaking movement that makes a sound? A) Vibration* B) Heating C) Cooling D) Lighting (1 mark)

2. 2. True or False: Sound needs to travel through something to reach our ears. (1 mark)

3. 3. True or False: Sound travels slowest through solids. (1 mark)

4. 4. What do we call how high or low a sound is? A) Volume B) Pitch* C) Distance D) Weight (1 mark)

5. 5. True or False: A drum makes a sound when it vibrates. (1 mark)

6. 6. Which part of your body do you use to hear sounds? (1 mark)

7. 7. What happens to a sound as you move further away from it? A) It gets louder B) It gets quieter* (1 mark)

8. 8. True or False: Sound can travel through space where there is no air. (1 mark)

9. 9. Fill in the blank: A guitar string makes a _____ to create music. (1 mark)

10. 10. True or False: Sound is a type of energy. (1 mark)

Draw: Draw a picture of a musical instrument, like a drum or a guitar, and show the sound waves coming off it with squiggly lines.



Extension challenge: Nova wants to know: If you tap a spoon on a glass of water, what happens to the sound if you add more water? Try it at home and write one sentence about what you hear.