

KS1 Science Quiz - Energy - Sound, Loudness and Pitch (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Science for children aged 5 and 6 in years 1 and 2. Specifically this quiz is aimed at the section dealing with energy, sounds, loudness and pitch.

You know a lot already about energy but did you know that sound is made by energy? You know how we hear sounds. Not all sounds are the same, of course. Some sounds are loud and some are soft. Sounds have different pitches. Some are high and some are low. Musical instruments can play different notes. Let's find out a bit more about pitches, loudness and sounds.

1. **Natasha is an opera singer. She can sing very high notes. Very high notes are:**



- Loud
- Soft
- High pitched
- Low pitched

2. **John works at an airport. He has to wear ear protectors on his head. Why does John wear ear protectors?**



- So he can listen to music
- Because the engines on the planes are very loud
- So he can hear instructions
- Because the engines on the plane are silent

3. **This man is playing a tin whistle. A tin whistle makes a _____ sound.**



- Very soft
- Low pitched
- Very deep
- High pitched

4. **Adam was watching television. His Mum asked him to turn the sound down. Adam used this button on the remote to turn the sound down.**

What do we call loudness?



- Channel
- Pitch
- Volume
- Height

5. Antonio is an opera singer. He can sing very low, deep notes. Low notes are:



- Low pitched
- High pitched
- Soft
- Quiet

6. Tommy is playing notes on the piano keyboard. Some notes are high-pitched, and some notes are low-pitched.

Where on the piano are the high-pitched keys?



- At the right-hand end of the keyboard
- At the left-hand end of the keyboard
- Under the pedals
- On top of the piano

7. This musical instrument looks like a massive violin. It can play very low-pitched notes. It is called a:



- Clarinet
- Oboe
- Trombone
- Double bass

8. The referee is showing a player the yellow card. The referee is making a high-pitched sound. What does the referee use to make the high-pitched sound?



- A recorder
- A whistle
- A tin can
- A card

9. This man is shouting. The sound he makes is very _____.



- Quiet
- Silent
- Loud
- Soft

10. Anna is whispering to Maria. Anna's voice is very _____.



- Loud
- Quiet
- High
- Strong

KS1 Science Quiz - Energy - Sound, Loudness and Pitch (Answers)

1. Natasha is an opera singer. She can sing very high notes. Very high notes are:



- Loud
- Soft
- High pitched
- Low pitched

Who is the best singer you know?

2. John works at an airport. He has to wear ear protectors on his head. Why does John wear ear protectors?



- So he can listen to music
- Because the engines on the planes are very loud
- So he can hear instructions
- Because the engines on the plane are silent

John works quite near the planes, so it is very loud

3. This man is playing a tin whistle. A tin whistle makes a _____ sound.



- Very soft
- Low pitched
- Very deep
- High pitched

The tin whistle is sometimes called a penny whistle

4. Adam was watching television. His Mum asked him to turn the sound down. Adam used this button on the remote to turn the sound down.

What do we call loudness?



- Channel
- Pitch
- Volume
- Height

Adam turned the sound down. Did he press the + (plus) or the - (minus) sign?

5. Antonio is an opera singer. He can sing very low, deep notes. Low notes are:



- Low pitched
 High pitched
 Soft
 Quiet

Low pitched sounds are called bass (sounds like *base*)

7. This musical instrument looks like a massive violin. It can play very low-pitched notes. It is called a:



- Clarinet
 Oboe
 Trombone
 Double bass

You can play the double bass by plucking the strings or using a bow

9. This man is shouting. The sound he makes is very _____.



- Quiet
 Silent
 Loud
 Soft

Why do people not like shouting?

6. Tommy is playing notes on the piano keyboard. Some notes are high-pitched, and some notes are low-pitched.

Where on the piano are the high-pitched keys?



- At the right-hand end of the keyboard
 At the left-hand end of the keyboard
 Under the pedals
 On top of the piano

Can you play notes on a piano?

8. The referee is showing a player the yellow card. The referee is making a high-pitched sound. What does the referee use to make the high-pitched sound?



- A recorder
 A whistle
 A tin can
 A card

When you are playing games at school does your teacher have a whistle?

10. Anna is whispering to Maria. Anna's voice is very _____.



- Loud
 Quiet
 High
 Strong

Do you whisper to your friends?