

**Section A: Pitch & Volume**

1. How high or low a sound is
2. Loudness is about how much energy a sound carries; pitch is about how high or low it sounds - they are independent of each other
3. A thin elastic band, because it vibrates faster
4. By reducing the strength/energy of the vibration, e.g. plucking more gently
5. Because the drum skin is larger and vibrates more slowly, producing a lower pitch

**Section B: Sound Travelling**

1. Because light travels much faster than sound, so we see the flash before we hear the sound
2. Because sound travels well through solid ground, letting them detect faint vibrations further away
3. Because sound needs particles (like air) to travel through, and space is a vacuum with no particles
4. Sound travels slowest through air, faster through water, and fastest through solid metal, since particles are closer together
5. Soft furnishings absorb sound waves rather than reflecting them, reducing echoes and overall loudness