



Lesson 6

1. Sound travels faster in outer space.
2. Sound is a vibration of matter.
3. Sound starts from a mechanical event.
4. Nothing can move faster than sound.
5. Sound travels faster in dry air than in water.
6. The speed of sound is 768 mph (1235 km)
7. 1235 km per hour is the sound barrier.
8. When a jet plane breaks the sound barrier you SEE a sonic boom.
9. When a jet plane breaks the sound barrier you HEAR a white halo.
10. After 130 decibels you feel pain in the ears.
11. 85 decibels is safe even if you listen to the for a long time
12. The loud sounds cause damage to the ear canal.
13. Once the hair cells are destroyed they can not be recovered
14. The ripples of hair cells (stereocillia) turn the mechanical energy into electrical signal.