

Name _____ Date _____ Per _____

Bill Nye Sound



- 1) Sound is _____ vibrations of _____.
- 2) The human _____ is like a _____.
- 3) An oscilloscope lets us see _____ in the air.
- 4) Sound travels better (18x faster) through _____.
- 5) A slinky is perfect to help us see how _____ waves travel through the _____.
- 6) Waves _____ when they hit a barrier.
- 7) An echo is a _____ wave that has been _____ or reflected.
- 8) The ear sends _____ to the brain.
- 9) The _____ vibrates to send messages to the brain.
- 10) Increased frequency of a wave (more waves per second) results in a _____ pitch and lower frequency (less waves per second) results in a _____ pitch.
- 11) Ultrasound send _____ of sound waves that are turned into a _____.
- 12) When you strike a key on the piano, that makes a _____ inside the piano _____. The vibration is what makes _____.

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13) What is it called when something vibrates at its natural frequency?

14) Sound and light are both forms of _____.

15) When you speak, your vocal cords _____ and this creates

_____.

16) Why does a sound wave need air?

