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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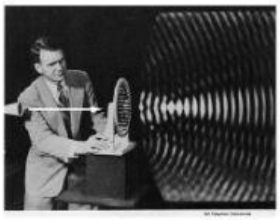
Name_____Date_____Per_____

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?

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