

Name _____ Date _____ Period _____ Score out of 20 _____

Corrected by _____

Bill Nye Sound Video

1. Sound is _____ or _____ of air.
2. An oscilloscope lets us _____ sound waves.
3. An ear has a cup shape design to _____ sound.
4. Dumbo was picked on for having big ears. What might be an advantage to having large ears?

5. Sound travels _____ through a metal pipe than it does in air.
6. Submarines translate _____ waves into pictures.
7. A slinky perfect for showing how a _____ wave travels.
8. An echo is a _____ wave that has been _____ or reflected.
9. Your ear acts as a receiver for incoming sound waves. The sound wave makes your eardrum _____. This makes the little bones in your ear and the fluid in your ear vibrate.
10. The signal gets sent to your _____ so it can be interpreted.
11. Increased frequency of a wave (more waves per second) results in a _____ pitch
lower frequency (less waves per second) results in a _____ pitch.
12. All music, _____ in the world, is from only _____ notes.
13. Why does a sound wave need air?

14. Humans can hear between 20-20,000 frequency. Sounds below 20 are called infrasonic and can be heard by some animals such as goldfish. Sounds above 20,000 are called _____. Bats and whales are able to hear these sounds even though we cannot.
15. The ultrasound is _____ for us to hear it. She used the microphone to send a sound wave so they can see where the baby is by having the sound wave _____.
16. When you strike a key on the piano, that makes a _____ inside the piano _____.
17. The vibration is what makes _____.
18. Things _____ at their natural _____.
19. _____ are specialized structures to catch sound.
20. When you speak, your vocal cords _____ and this creates _____.

