

Bill Nye the Science Guy

WAVES

Name _____ Core _____ Date _____

1. Energy, light, and sound all travels as _____.
2. Bill playing the guitar is an example of what type of energy? _____.
3. The distance from crest to crest or trough to trough is called _____.
4. How often waves repeat is called their _____.
5. Draw a high frequency wave.
6. Draw a low frequency wave.
7. Energy travels in what direction? _____.
8. Draw how the amplitude is measured.
9. All waves have a similar _____.
10. What spectrum is made up of different waves? _____.
11. What do radio waves bounce off of before returning to the earth? _____.
12. X-ray waves are _____ than light waves so they have higher _____.
13. Waves are hand craft by _____ on the ocean.
14. Earthquake energy travels as _____.
15. Earthquake waves are called _____ waves.

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16. Amplitude is the _____ of the wave.
17. Musical instrument make sound _____.
18. Low note = long pipe = _____ waves.
19. Sonar uses _____ waves to tell how _____ things are in the water.
20. Energy moves in _____.
21. Draw a wave. Label the frequency, amplitude, and wavelength