

Name: _____ Date: _____ Hour: _____

Bill Nye: Waves

1. Energy, light, and sound all travel as _____.
2. Bill playing the guitar is an example of what type of energy?
3. The distance from wave to wave 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. What spectrum is made up of different waves?
10. What do radio waves bounce off of before returning to the earth?
11. X-ray waves are _____ than light waves so they have higher _____.
12. Waves are hand crafted by _____ on the ocean.

13. Earthquake waves are called _____ waves.

14. Musical instruments make _____ waves.

15. Low note = long pipe = _____ wave

16. Sonar uses _____ waves to tell how _____ things are in the water.

17. Energy moves in _____.

18. Draw a wave. Label the frequency, amplitude, and wavelength.