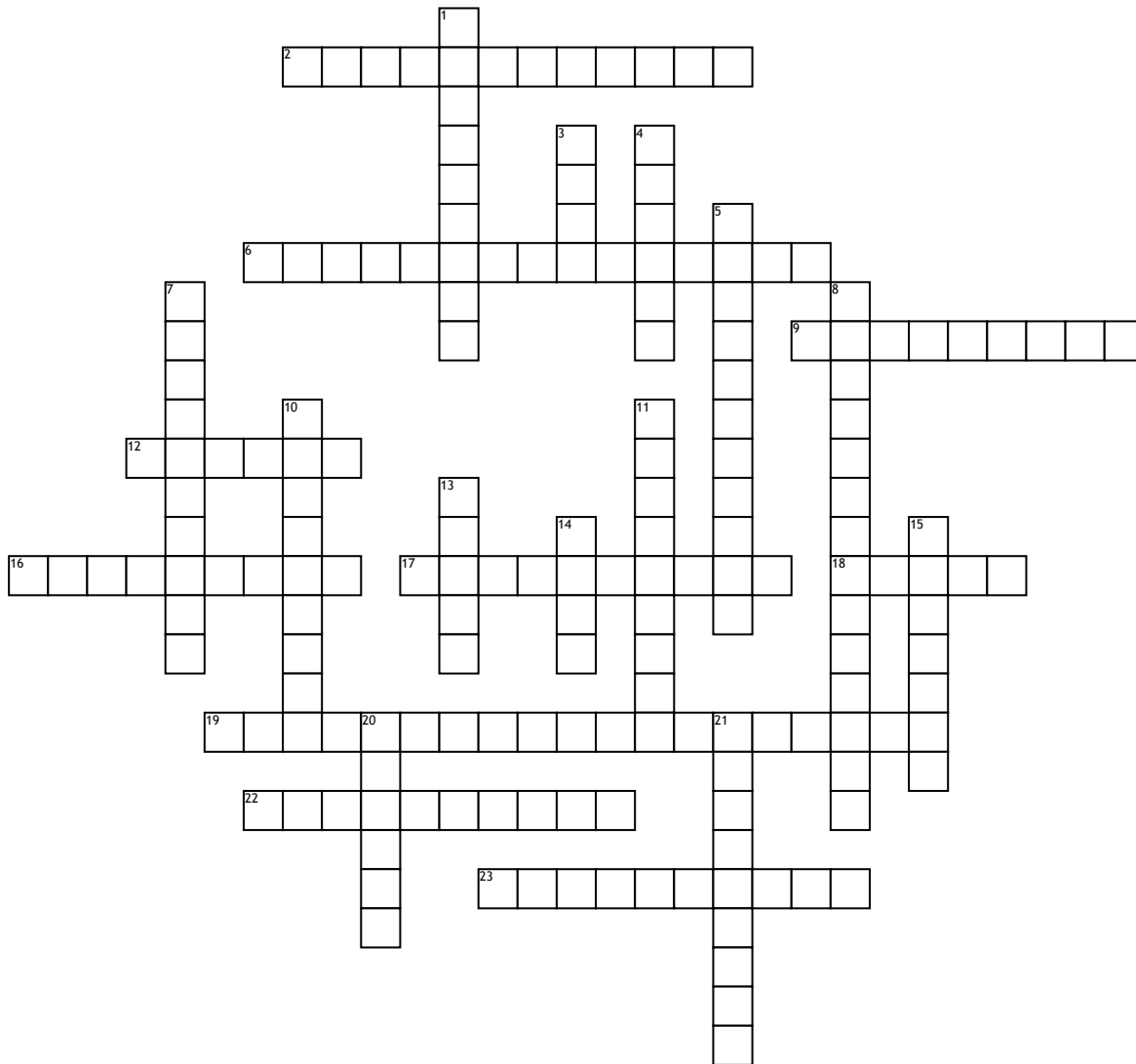


Waves



Across

2. This occurs when one wave comes into contact with another wave.
 6. This is the position a medium would take if there were no wave.
 9. The tendency of a system to oscillate with greater amplitude at certain frequencies.
 12. The time between the crests of a wave.
 16. The maximum displacement of a wave from its resting position.
 17. This occurs when a wave moves from one medium to another changing direction and wavelength.
 18. The highest point of a wave.
 19. A wave that contains an electric and magnetic field and can travel through a vacuum.

22. The taking in of energy by a medium.

23. The distance between two successive crests of a wave.

Down

1. The number of times per second that a wave cycles.
 3. The reflection of a sound wave from a surface back to the listener.
 4. The matter that a wave travels through.
 5. This occurs when a wave bends around an object.
 7. This occurs when a wave bounces off of a boundary and changes direction.
 8. A wave that must travel through some sort of matter; it cannot travel through a vacuum like outer space.

10. A mechanical wave caused by a vibration and which we can hear.

11. A special type of electromagnetic wave that has a frequency which we can see.

13. A measure of how fast a wave is moving.

14. A traveling disturbance that transfers energy, but not matter, from one place to another.

15. A unit used to measure the intensity of a sound.

20. The lowest point of a wave.

21. A measurement of the strength of a sound wave.