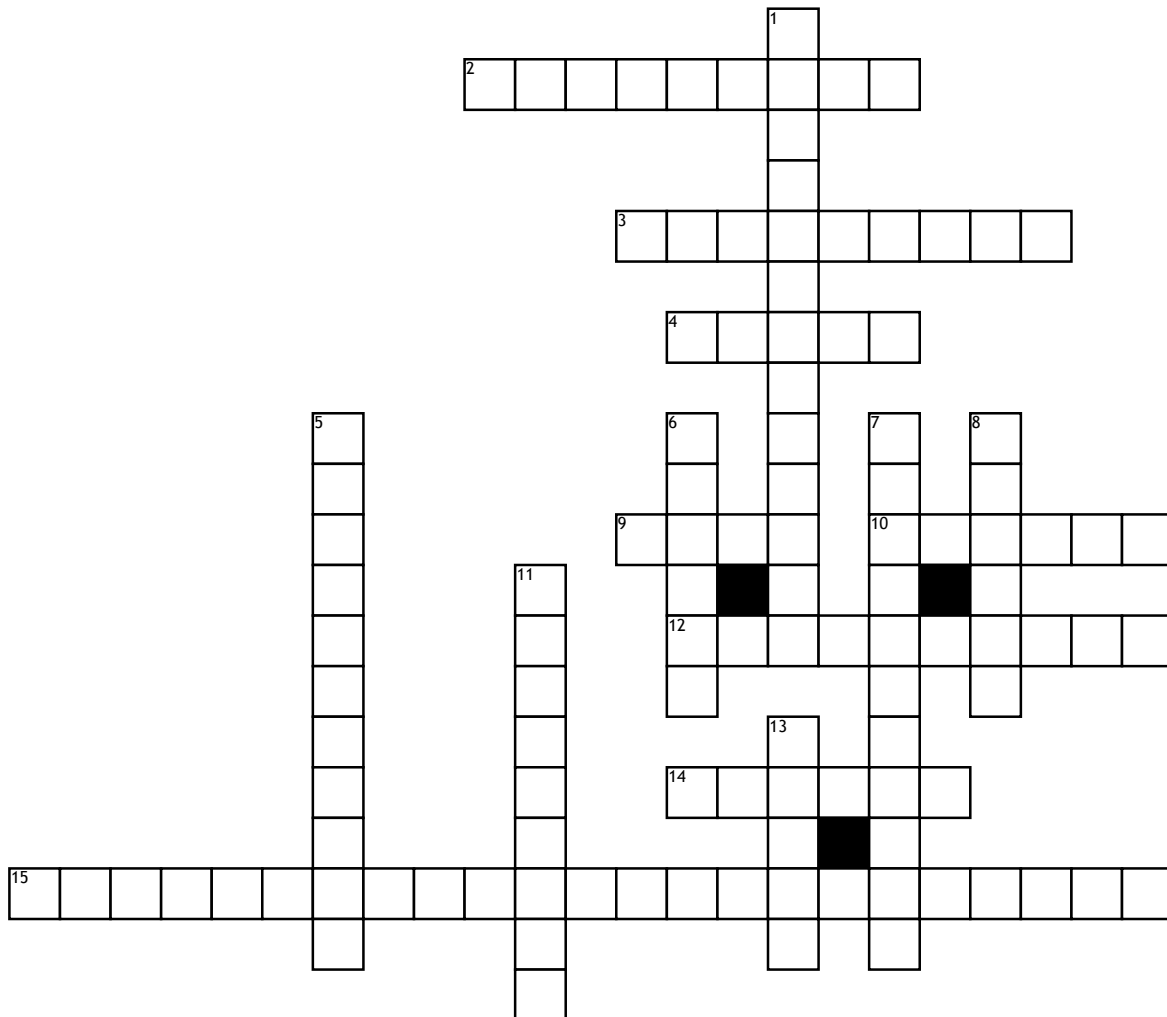


Sound and Light



Across

2. the sound associated with the shock waves created by an object traveling through the air faster than the speed of sound
3. the maximum displacement moved by a point on a vibrating body
4. a unit of frequency equal to 1 cycle per second
9. is a disturbance that transfers energy through matter or space

10. is the minimum or lowest point in a cycle

12. anything above the frequencies of audible sound

14. the measure of time it takes for the wave cycle to complete

15. a range of wavelengths or frequencies

Down

1. a change in frequency or wavelength of a wave

5. is the reduction of an item's density

6. impenetrable by light

7. its wavelength is shorter than violet end of the spectrum of visible light

8. a bundle of electromagnetic

11. is a phenomenon in which a vibrating system drives another system to oscillate with greater amplitude at specific frequencies

13. is the highest point of the wave