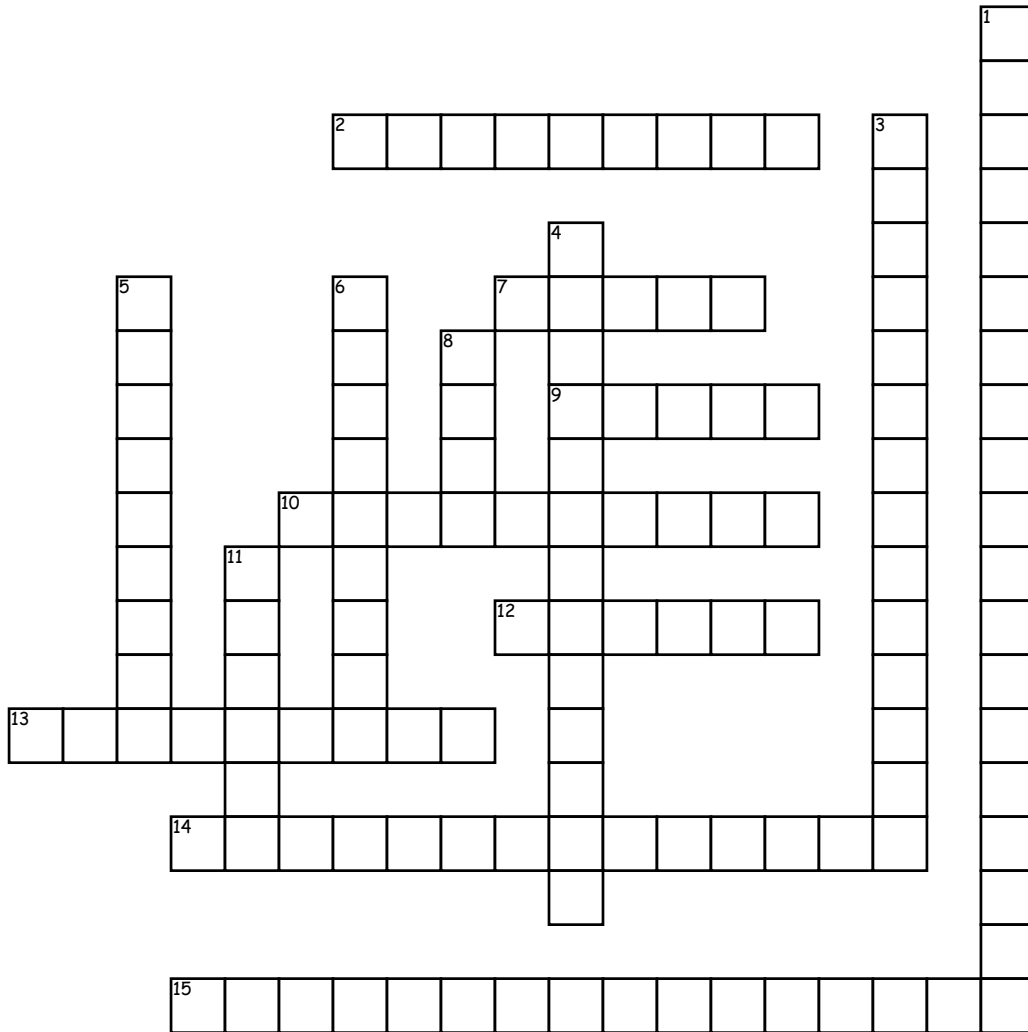


# Physics Vocab



## Across

2. frequency x wavelength  
 7. is a vibration that typically propagates as a wave of pressure, through a transmission medium  
 9. High or low frequency sound wave  
 10. distance between corresponding points of two consecutive waves  
 12. A substance that makes possible the transfer of energy from one location to another  
 13. the number of crests of a wave that move past a given point in a given unit of time

14. wave that is an oscillation of matter  
 15. that oscillates back and forth on an axis that is the same as the axis along which the wave propagates

## Down

1. a wave produced by the acceleration of an electric charge  
 3. a wave vibrating at right angles to the direction of its propagation.  
 4. the effect produced by a moving source of waves in which there is an apparent upward shift in frequency for observers towards whom the source is approaching

5. the maximum displacement or distance moved by a point on a vibrating body or wave measured from its equilibrium position  
 6. periodic back-and-forth motion of the particles of an elastic body or medium  
 8. any regularly recurring event  
 11. quantity of three-dimensional space enclosed by a closed surface

## Word Bank

- |                   |                      |                 |           |
|-------------------|----------------------|-----------------|-----------|
| Medium            | Vibration            | Wave Speed      | Pitch     |
| Wavelength        | electromagnetic wave | Sound           | Wave      |
| Doppler Effect    | Volume               | mechanical wave | Amplitude |
| longitudinal wave | Transverse wave      | Frequency       |           |