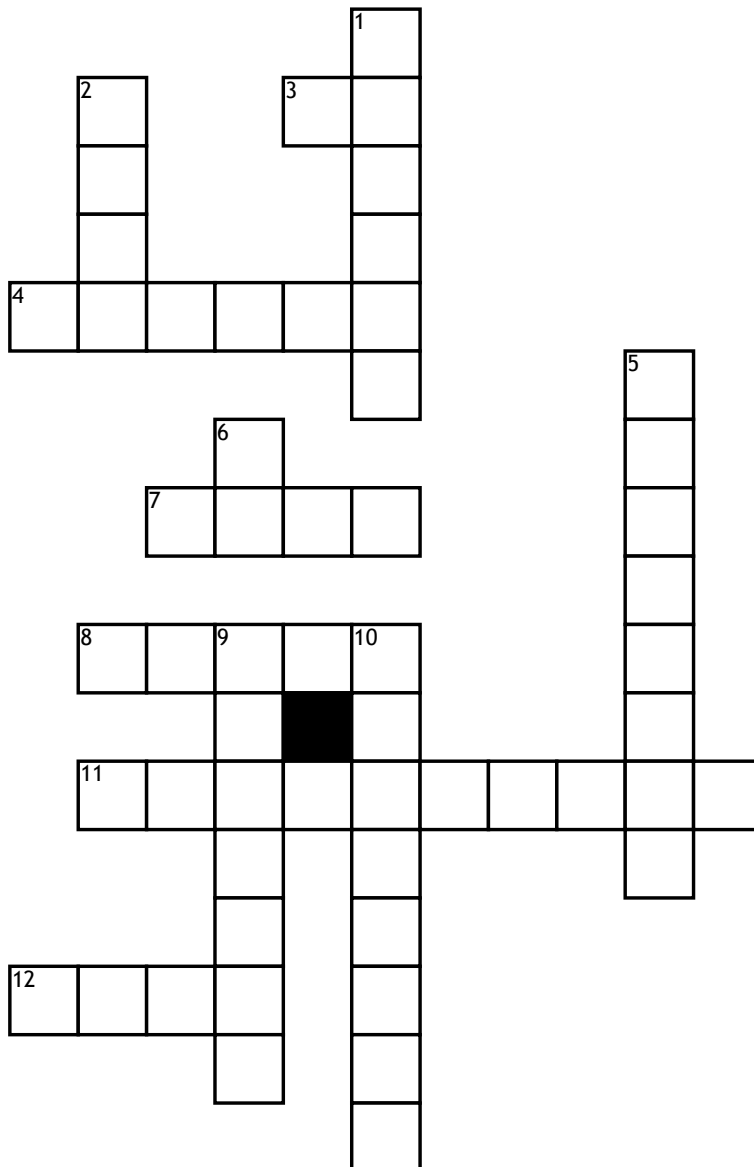


# waves



## Across

3. Trough / Trough is the lowest point the medium sinks  
 4. Mechanical Wave / Wave that is an oscillation of matter, and therefore transfers energy through a  
 7. Energy / Ability to do  
 8. Rarefaction / Region in a longitudinal wave where the particles are farthest  
 11. Longitudinal Wave / Wave that oscillates back and forth on an axis that is the same as the axis along which the wave

12. Wavelength / The distance between successive crests of a  
Down

1. Matter / Any substance that has mass and takes up space by having  
 2. A seismic wave that travels across the surface of the Earth as opposed to through it. Surface  
 5. Compression / Region in a longitudinal wave where the particles are closest  
 6. Crest / Highest point the medium rises

9. Medium / A substance that makes possible the transfer of energy from one location to  
 10. Transverse Wave / Wave that is made up of oscillations happening perpendicular to the direction of energy