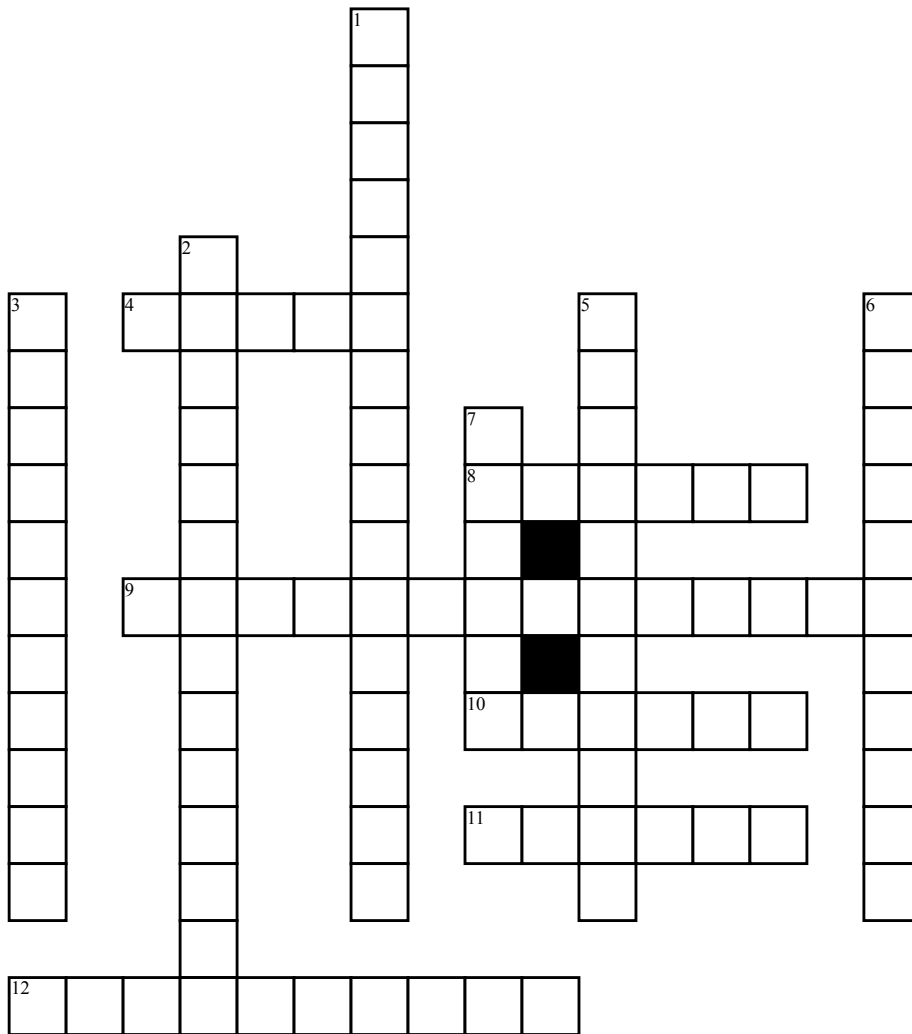


waves



Across

4. Highest point the medium rises to.
 8. Ability to do work.
 9. Wave that is an oscillation of matter, and therefore transfers energy through a medium.
 10. Any substance that has mass and takes up space by having volume.
 11. the lowest point the medium sinks to.

Word Bank

- | | | | |
|-------------|-------------------|-----------------|--------------|
| crest | wavelength | trough | medium |
| rarefaction | longitudinal wave | transverse wave | surface wave |
| compression | mechanical wave | matter | energy |

12. The distance between successive crests of a wave.

Down

1. Wave that oscillates back and forth on an axis that is the same as the axis along which the wave propagates.
 2. Wave that is made up of oscillations happening perpendicular to the direction of energy transfer.

3. A seismic wave that travels across the surface of the Earth as opposed to through it.

5. Region in a longitudinal wave where the particles are farthest apart.

6. Region in a longitudinal wave where the particles are closest together.

7. A substance that makes possible the transfer of energy from one location to another.