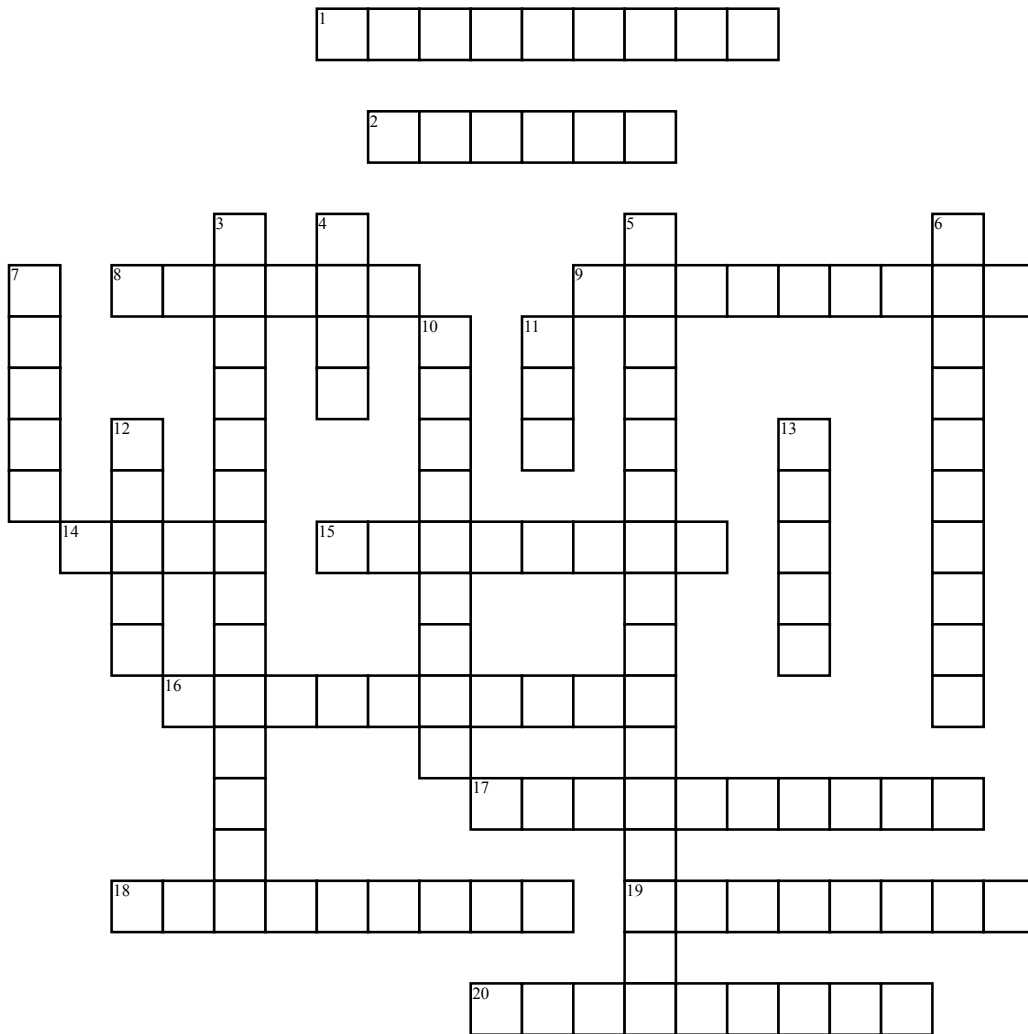


Waves Crossword



Across

- 1. the maximum distance that the object moves from equilibrium
- 2. each low point
- 8. the time needed for an object to repeat one complete cycle of the motion
- 9. states that the force exerted by a spring is directly proportional to the amount that the spring is stretched
- 14. a disturbance that carries energy through matter or space
- 15. a massive object, called the bob, suspended by a string or light rod of length
- 16. The change in the direction of waves at the boundary between two different media

- 17. the change in direction of a wavefront at an interface between two different media so that the wave front returns into the medium from which it originated
- 18. the number of complete oscillations it makes each second
- 19. the position of maximum displacement in a standing wave system
- 20. a line that represents the crest of a wave in two dimensions

Down

- 3. one that vibrates perpendicular to the direction of the wave's motion
- 4. a point at which lines or pathways intersect or branch

- 5. the disturbance is in the same direction as, or parallel to, the direction of the wave's motion
- 6. the shortest distance between points where the wave pattern repeats itself
- 7. each high point
- 10. occurs when small forces are applied at regular intervals to a vibrating object and the amplitude of the vibration increases
- 11. s a line drawn at a right angle to the crest of the wave
- 12. any two points on a wave that are one or more whole wavelengths apart
- 13. how fast the wave moves

Word Bank

- | | | | | |
|------------|-----------------|-------------------|-----------|-----------|
| speed | refraction | longitudinal wave | resonance | crest |
| ray | pendulum | reflection | period | wavefront |
| node | transverse wave | frequency | phase | antinode |
| wavelength | amplitude | hooke's law | trough | wave |