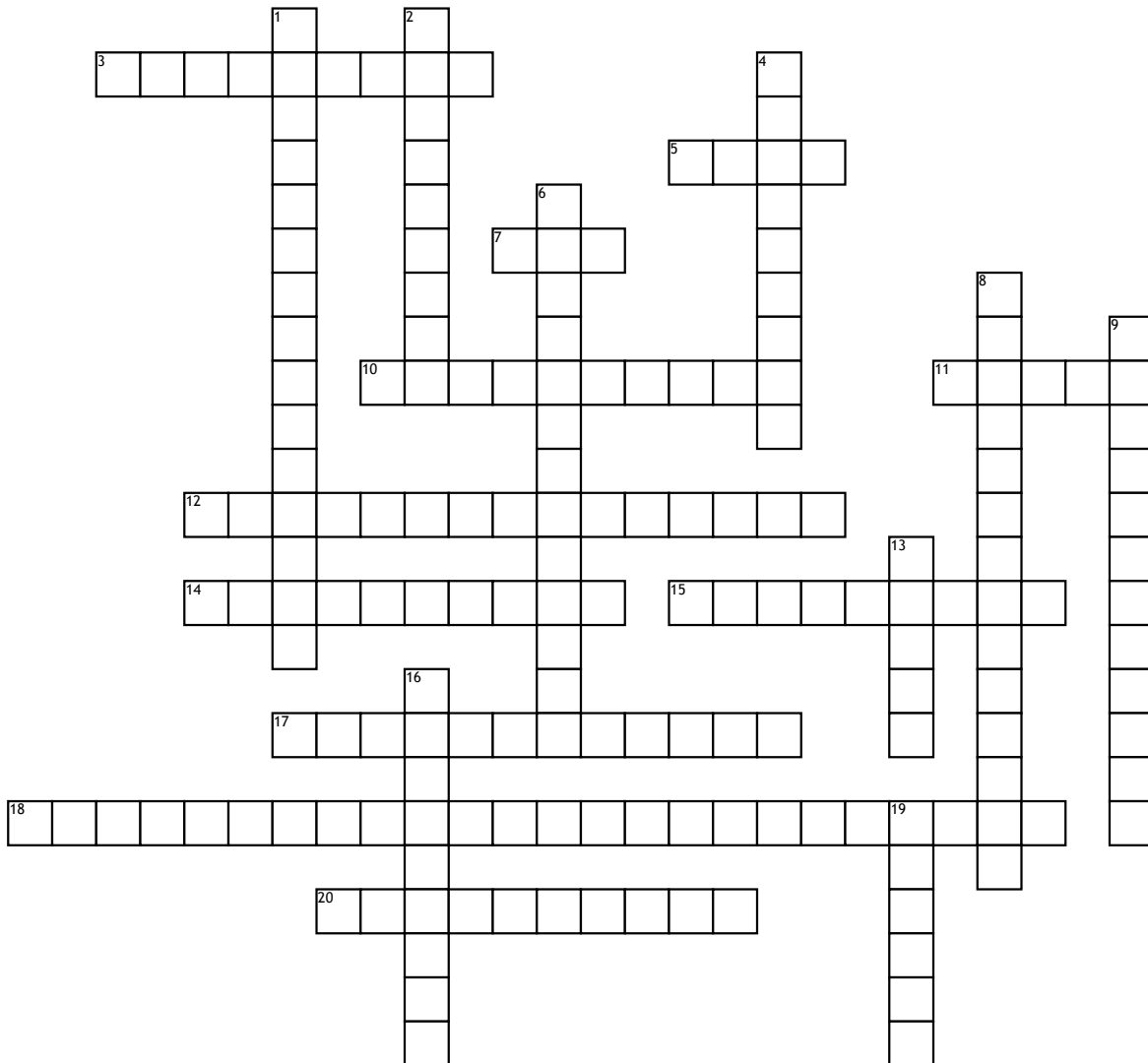


Name: _____

Date: _____

Waves



Across

- 3. What law states that the force exerted by a spring is directly proportional to the amount that the spring is stretched.
- 5. What is a disturbance that carries energy through matter or space.
- 7. What is a line drawn at a right angle to the crest of the wave.
- 10. The change in the direction of waves at the boundary between two different media
- 11. Highest point on a wave
- 12. which law states that the angle of incidence is equal to the angle of reflection.
- 14. What is the distance between one point on on wave and the nearest point just like it on the following wave

- 15. $f = 1/T$ (what formula is this used for)
- 17. What is the interaction between two or more waves that occupy the same space at the same time called
- 18. Which law states that the displacement of a medium caused by two or more waves is the algebraic sum of the displacements caused by the individual waves
- 20. Surface wave has characteristics of both _____ and longitudinal waves.

Down

- 1. What waves subtract from each other as they overlap
- 2. What is a single bump or disturbance that travels through a medium.

- 4. What is a line that represents the crest of a wave in two dimensions,
- 6. What depends on how it is generated, but not on its speed.
- 8. Motion that repeat in an regular cycle
- 9. A wave pattern that form when wave equal in wavelength and amplitude
- 13. Frequency is measured in what unit
- 16. What occurs when small forces are applied at regular intervals to a vibrating or oscillating object and the amplitude of the vibration increases.
- 19. The lowest point on a wave