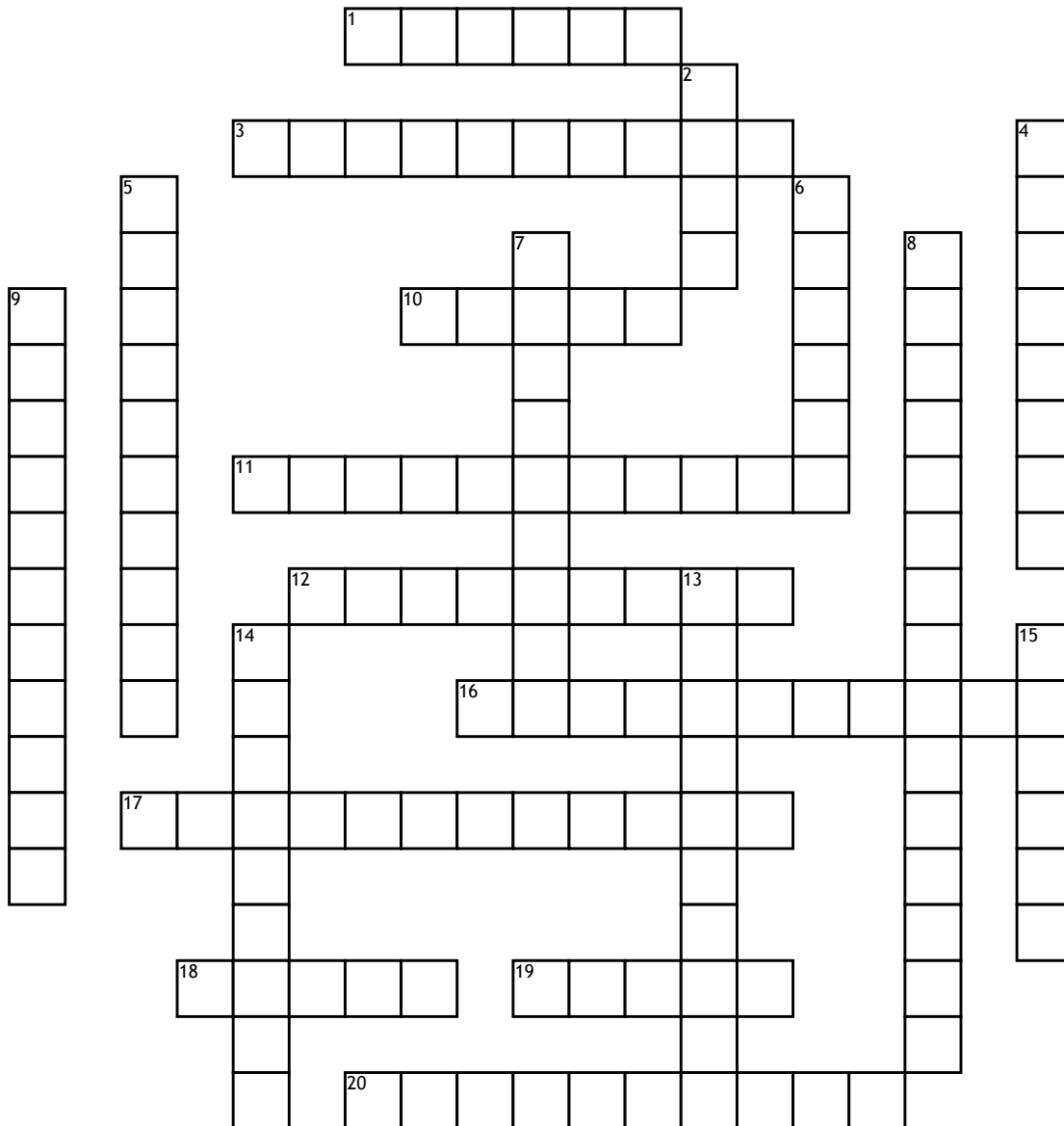


Name: \_\_\_\_\_

# Waves



## Across

- 1. The point of maximum negative displacement.
- 3. A wave that requires a physical medium to travel through.
- 10. Shortest wavelength
- 11. The midpoint of the wave halfway between a Crest and trough on a symmetrical wave.
- 12. The number of complete vibrations per unit time.
- 16. An elastic wave in the earth produced by an earthquake or other means.

- 17. Displacement of the particles of the medium is parallel to the direction of wave propagation.
- 18. Longest wavelength
- 19. The point of maximum positive displacement.
- 20. The distance from a point on one wave to the same point on the next wave.

## Down

- 2. A distance that transfers energy from one place to another.
- 4. The speed of the wave.
- 5. Displacement of the particles of the medium is perpendicular to the direction of wave propagation.

- 6. The material the wave is traveling through.
- 7. The maximum displacement of the medium from the rest of equilibrium position.
- 8. A wave that travels through variations in an electric and magnetic field.
- 9. Trough (far apart)
- 13. Crest (close together)
- 14. A wave of compression and rarefaction, by which sound is propagated in an elastic medium such as air.
- 15. The time interval for one complete motion of the wave.