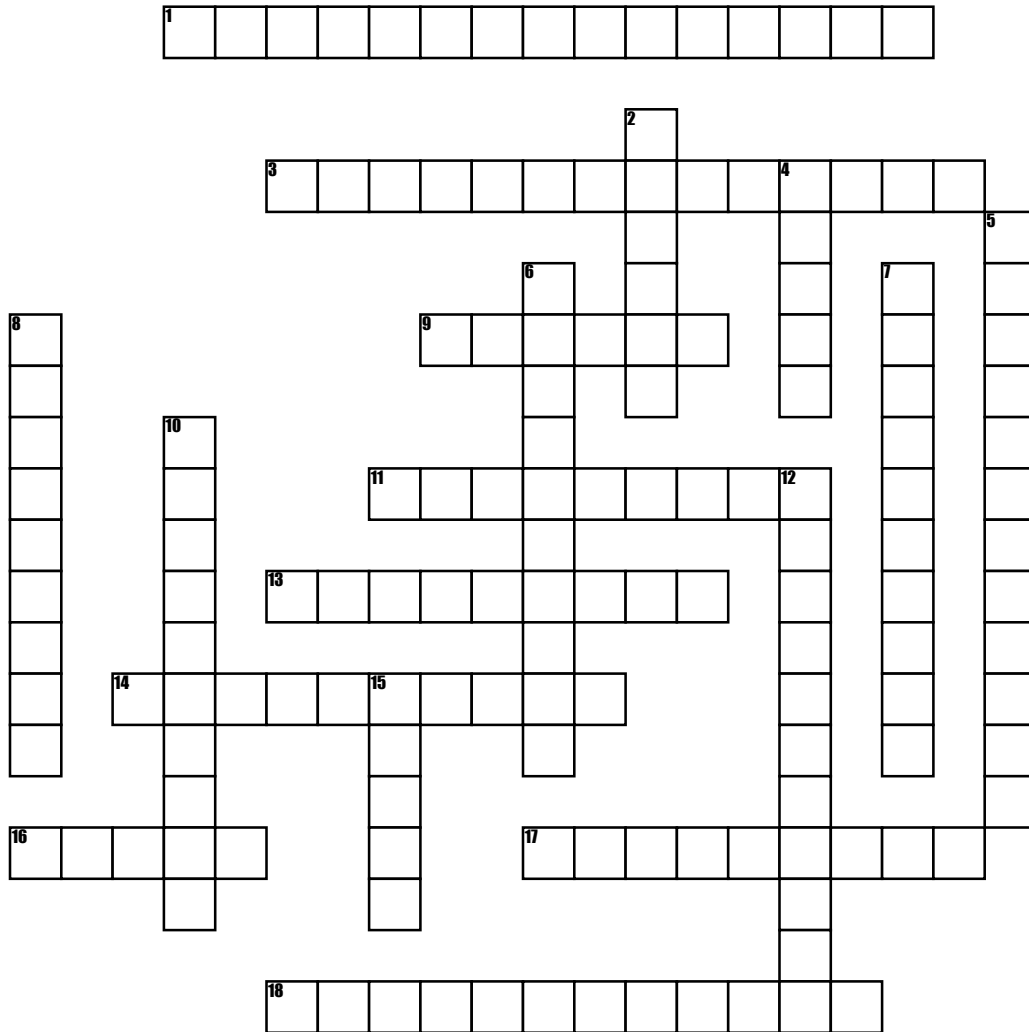


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# WAVES



## Across

1. Which type of waves require a medium

3. A wave that vibrates the medium at right angles or perpendicular to the direction in which the wave travels

9. What do all waves carry

11. The distance a wave travels in a given amount of time

13. Repeated back and forth or up and down motion

14. Bending of waves due to change in speed.

16. Unit used to measure frequency

17. What part of the wave affects loudness or volume!

18. The part of the longitudinal wave where the particles of the medium are farther apart

## Down

2. Low point of a transverse wave

4. A disturbance involving the transfer of energy from place to place

5. A type of wave in which the disturbance moves in the same direction that the wave travels

6. Waves bouncing back after hitting a barrier is called \_\_\_\_\_.

7. Which type of wave does not require a medium

8. Number of waves that pass a certain point in a given amount of time

10. The distance between two corresponding parts of a wave

12. The bending or spreading of waves as they move around a barrier or pass through an opening

15. High point of a transverse wave

## Word Bank

Hertz

Wave Speed

Longitudinal

Rarefactions

Refraction

Mechanical Waves

Energy

Reflection

Trough

Wavelength

Amplitude

Transverse Wave

Vibration

Crest

Waves

Diffraction

Radio Waves

Frequency