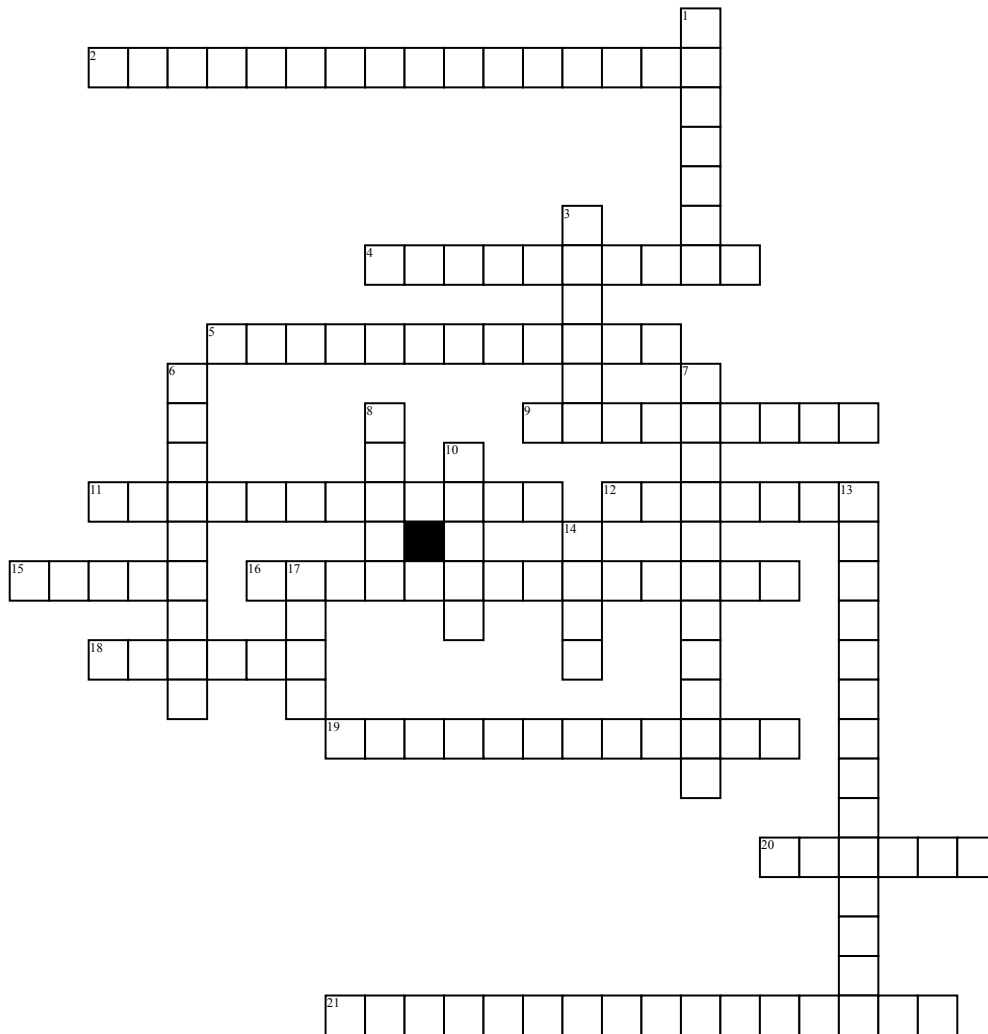


# Wave Vocabulary



**Across**

- 2. Waves that move the medium parallel to the direction in which the waves travel.
- 4. distance between 2 crests or troughs
- 5. the location of objects by reflected sound, in particular that used by animals such as dolphins and bats.
- 9. measure of wave energy; the distance between a waves' resting point and the top or crest of the wave
- 11. parts where the waves are spread out
- 12. to bounce off
- 15. the highest point of a transverse wave
- 16. a wave that requires a medium in which to travel and carry energy

- 18. the lowest point of a transverse wave
- 19. parts where the waves are close together
- 20. the ability to do work
- 21. an increase (or decrease) in the frequency of sound, light, or other waves as the source and observer move toward (or away from) each other.

**Down**

- 1. the change in direction of a wave due to a change in its medium
- 3. material through which waves travel
- 6. a repeated back and forth or up and down motion
- 7. the apparent bending of waves around a small obstacle

- 8. the quality of a sound made by the number of vibrations (the highness or lowness of a sound)
- 10. vibrations that travel through the air or another medium and can be heard when they reach a person's or animal's ear.
- 13. a wave that transfers energy perpendicular to its medium. The energy moves one direction while the medium moves at a right angle to it.
- 14. a disturbance that carries energy through matter or space
- 17. a sound or series of sounds caused by the reflection of sound waves from a surface back to the listener.

**Word Bank**

- |                   |                    |                 |             |           |
|-------------------|--------------------|-----------------|-------------|-----------|
| medium            | Sound              | refract         | Trough      | Energy    |
| Rarefactions      | Compressions       | mechanical wave | Vibration   | amplitude |
| Pitch             | The Doppler Effect | echolocation    | echo        | reflect   |
| Wave              | wavelength         | transverse wave | diffraction | Crest     |
| Longitudinal wave |                    |                 |             |           |