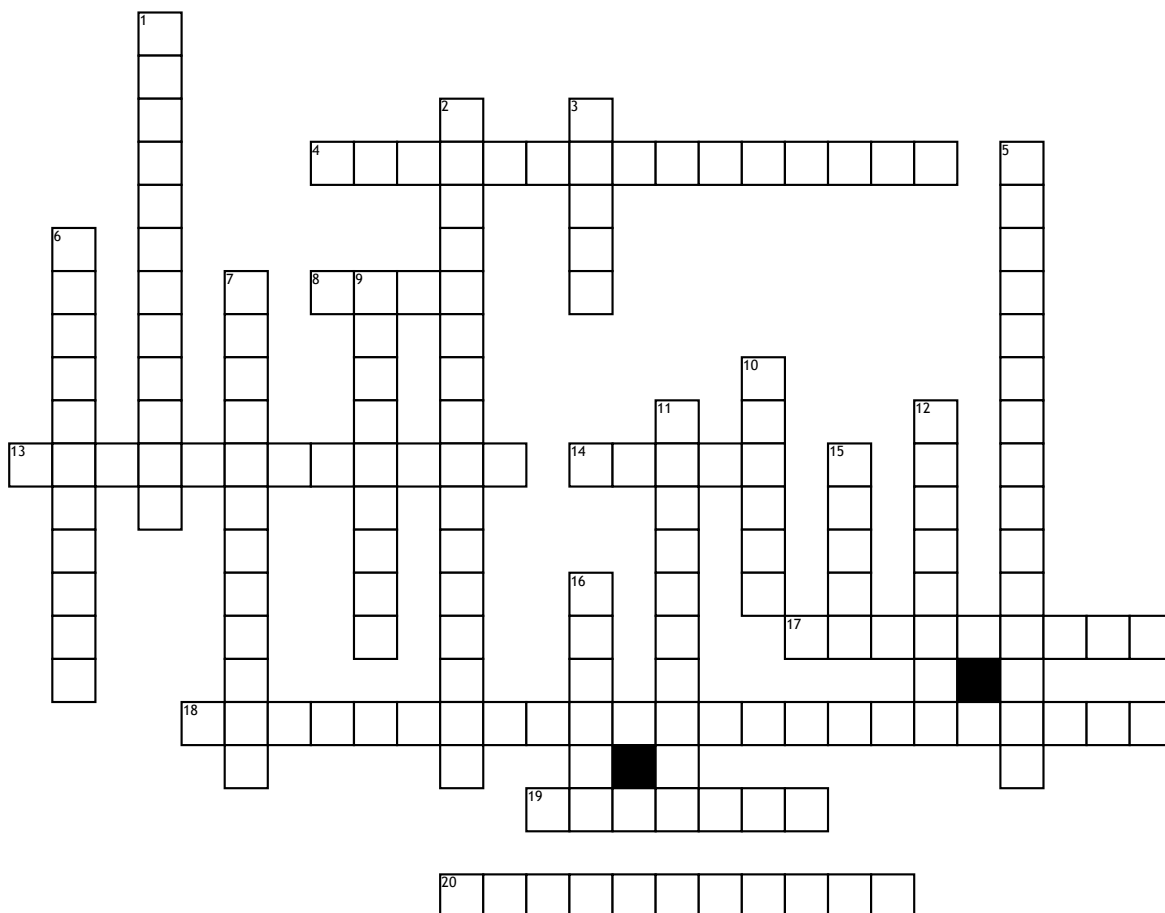


Wave Crossword



Across

4. waves that move the medium at right angles to the direction in which the waves travel

8. a disturbance that transfers energy from place to place.

13. the parts where the “coils” in a longitudinal wave are spread out.

14. how far the wave travels in a given length of time, or its distance divided by the time it took to travel that distance.

17. an increase in the amplitude of a vibration that occurs when external vibrations match an object’s natural frequency.

18. when two waves combine to make a wave with a smaller amplitude.

19. huge surface waves on the ocean produced by underwater earthquakes.

20. an instrument that scientists use to detect and measure earthquakes.

Down

1. the waves produced by earthquakes

2. the angle between the incoming wave and the normal.

3. frequency is measured in these units.

5. waves that require a medium through which to travel.

6. when a wave moves around a barrier or through an opening in a barrier, it bends and spreads out.

7. a combination of a longitudinal wave and a transverse wave that travels along the surface of a medium

9. the maximum distance that the particles of the medium carrying the wave move away from their rest positions

10. the material through which a wave travels.

11. when a wave enters a new medium at an angle, so one side of the wave changes speed before the other, causing the wave to bend

12. the points of maximum amplitude on a standing wave.

15. longitudinal seismic waves

16. transverse seismic waves.