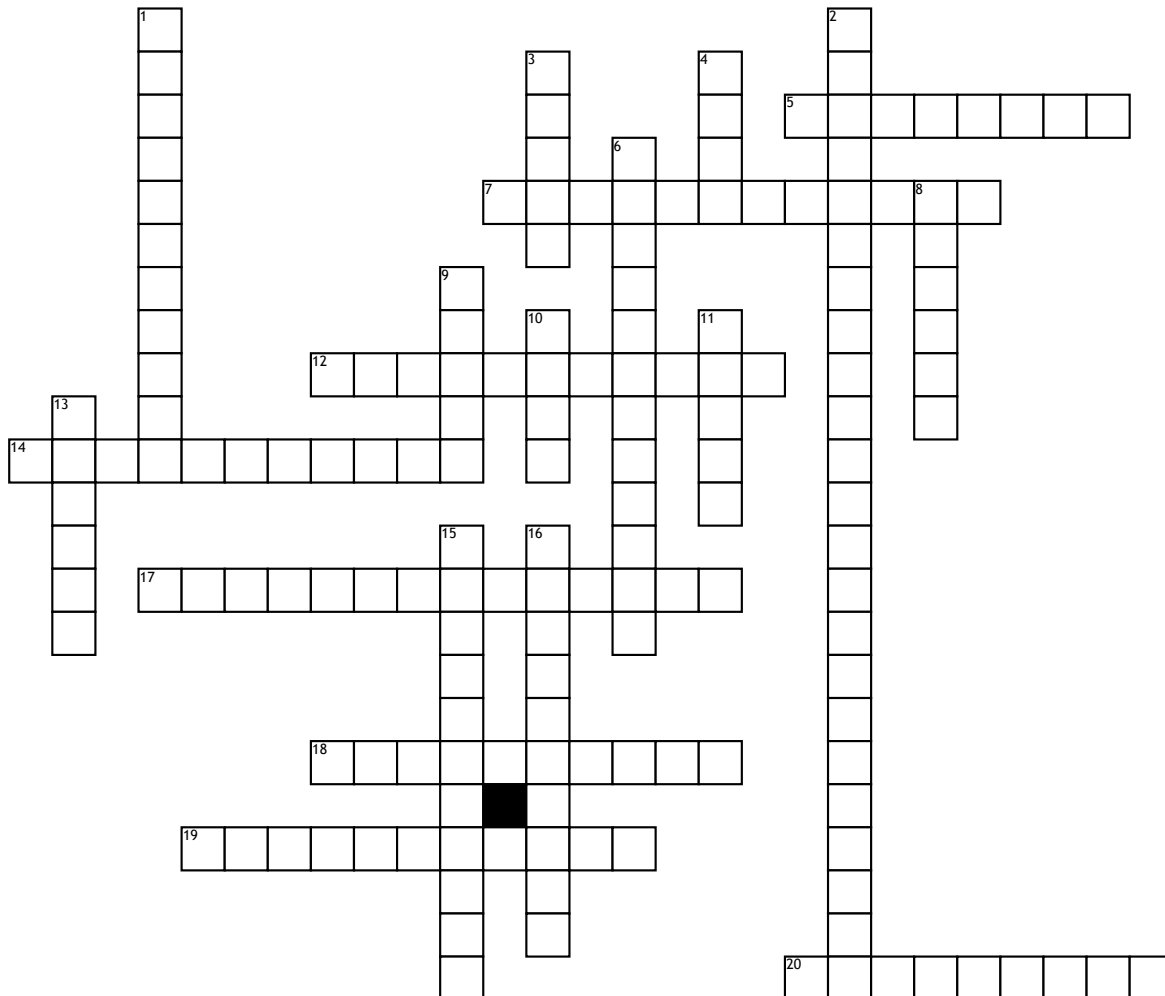


list 4



Across

5. a unit used to compare the loudness of different sounds
 7. the use of reflected sound waves to determine distances or to locate objects
 12. the part of a longitudinal wave where the particles of the medium are far apart.
 14. A material that transmits light out without scattering it.
 17. a wave that moves the medium in which the wave travels
 18. the bouncing back of an object or wave when it hits a surface through which it cannot pass
 19. the bending of waves as they move around a barrier or pass through an opening

20. the maximum distance the particles of a medium move away from their rest positions as a wave passes through the medium

Down

1. the part of a longitudinal wave where the particles of the medium are closer together.
 2. The complete range of electromagnetic waves placed in order of increasing frequency.
 3. perception of the frequency of a sound
 4. a reflected sound wave
 6. a wave that moves a medium in a direction parallel to the direction in which the wave travels.
 8. A material that reflects or absorbs all of the light that strikes it.

9. the highest part of a transverse wave
 10. a disturbance that transfers energy from place to place.
 11. is a disturbance that travels through a medium as a longitudinal wave
 13. the lowest part of a transverse wave
 15. a material that scatters light as it passes through
 16. the bending of waves as they enter a new medium at an angle.