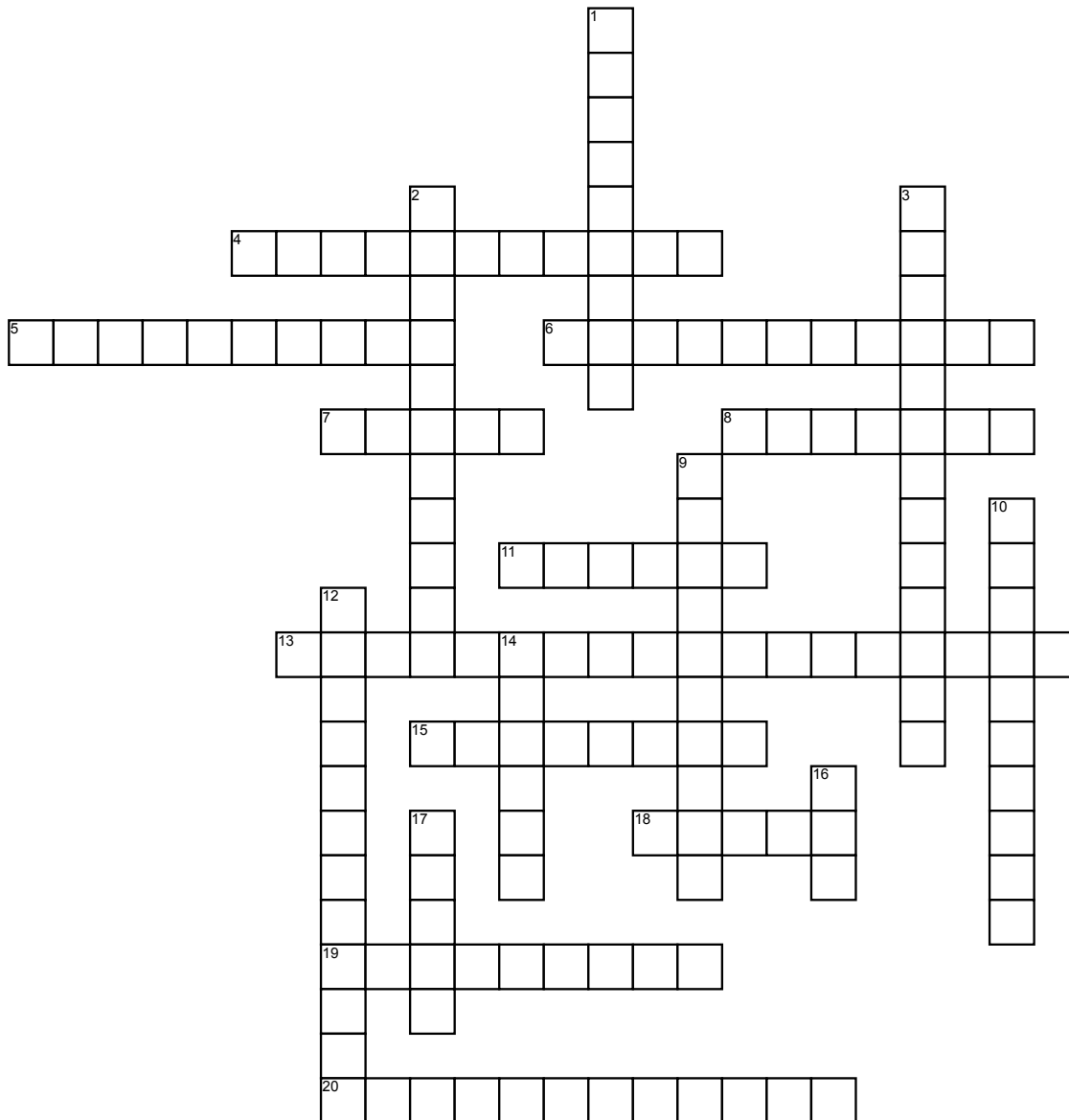


Sound and Its Measurements



Across

- 4.** the lowest frequency of vibration in a complex wave.
5. a type of wave in which the motion of the molecules of the medium is perpendicular to the direction of the wave
6. the portion of a sound wave where the molecules of the medium are compressed together.
7. periodic variations of the amplitude of a tone when a second tone of slightly different frequency is produced simultaneously.
8. process by which the threshold of a sound is elevated by the simultaneous introduction of another sound.

- 11.** a sound wave representing simple harmonic motion that begins at 90 degrees.
13. an expression of the pressure of a sound.
15. any whole number multiple of the fundamental frequency of a complex wave.
18. series of moving impulses set up by a vibration
19. the amount of sound energy per unit of area.
20. the ability of an animal to determine the specific location of a sound source.

Down

- 1.** the to and fro movements of a mass.

- 2.** the portion of a sound wave where the molecules become less densely packed per unit of space.
3. device for calibrating aid-conduction earphones.
9. the same wave as a sine wave.
10. the distance between the same point on two successive cycles of a tone.
12. a type of wave in which the particles of the medium move along the same axis as the wave.
14. the duration of one cycle of vibration
16. worldwide consortium of 148 nations whose mandate is to oversee and set guidelines for thousands of devices including audiometers.
17. cycles per second