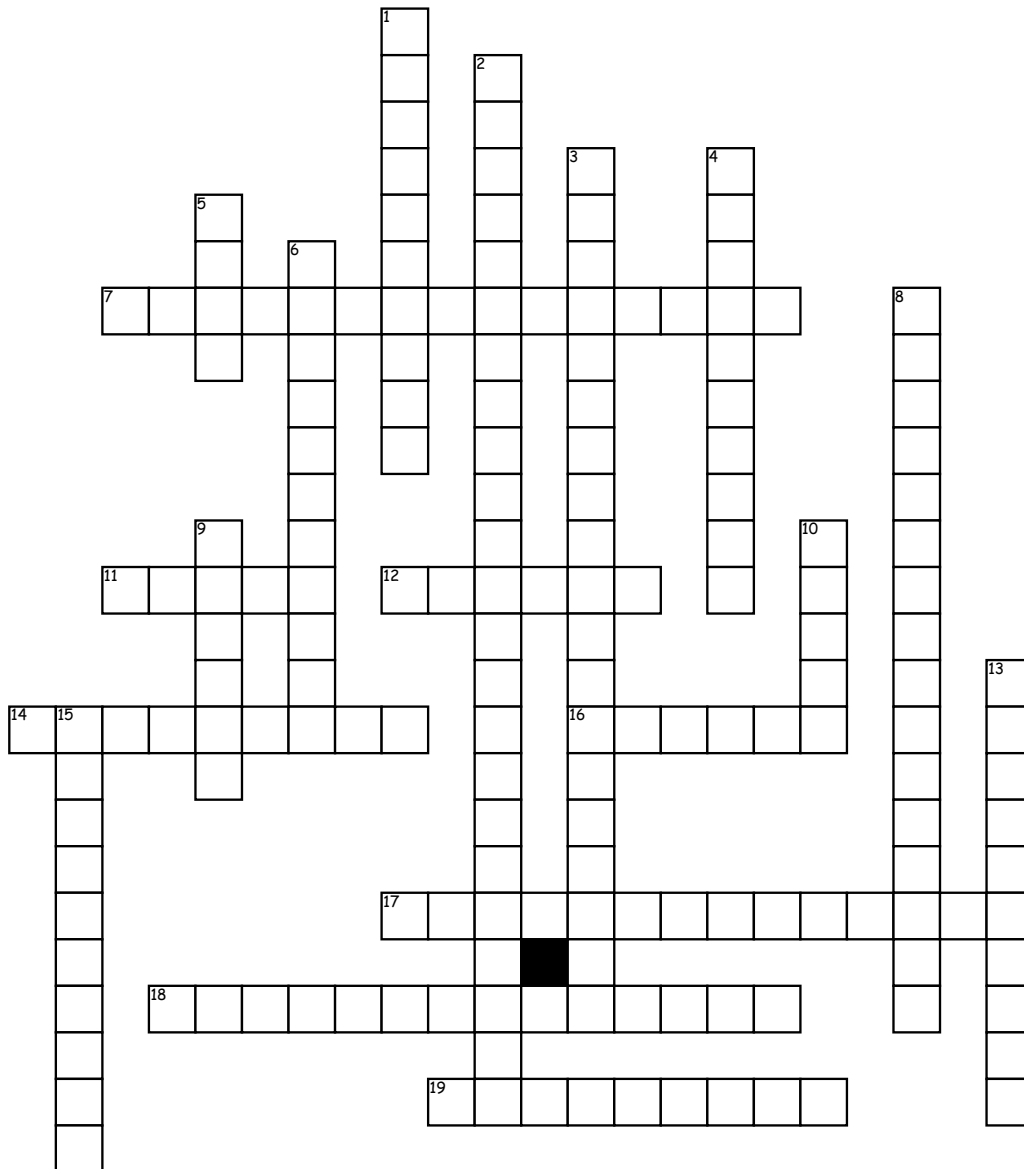


Name: _____

Date: _____

Waves



Across

7. reflection, refraction, and diffraction are used
11. highest point in a wave
12. the ability to do work
14. the number of waves produced in a given amount of time
16. the lowest point in a wave
17. a wave that requires a medium to travel
18. a wave in which the particles of the medium move perpendicularly to the direction the wave is traveling
19. the maximum distance the particles of a medium move away from their rest positions as a wave passes through the medium

Down

1. the bending of a wave as the wave passes between two substances in which the speed of the wave differs
2. all of the frequencies/wavelengths of electromagnetic radiation
3. a wave that consists of electric and magnetic fields that vibrate at right angles to each other
4. the transfer of light energy to particles of matter
5. a periodic disturbance in a solid, liquid, or gas as energy is transmitted through a medium
6. the bending of waves around the edge of a barrier

8. a wave in which the particles of the medium vibrate parallel to the direction of wave motion
9. a physical environment in which phenomena occur
10. a measure of how high/low a sound is perceived to be, depending on the frequency of the sound wave
13. the distance from any point on a wave to an identical point on the next wave
15. the bouncing back of a wave when it hits a surface through which it cannot pass