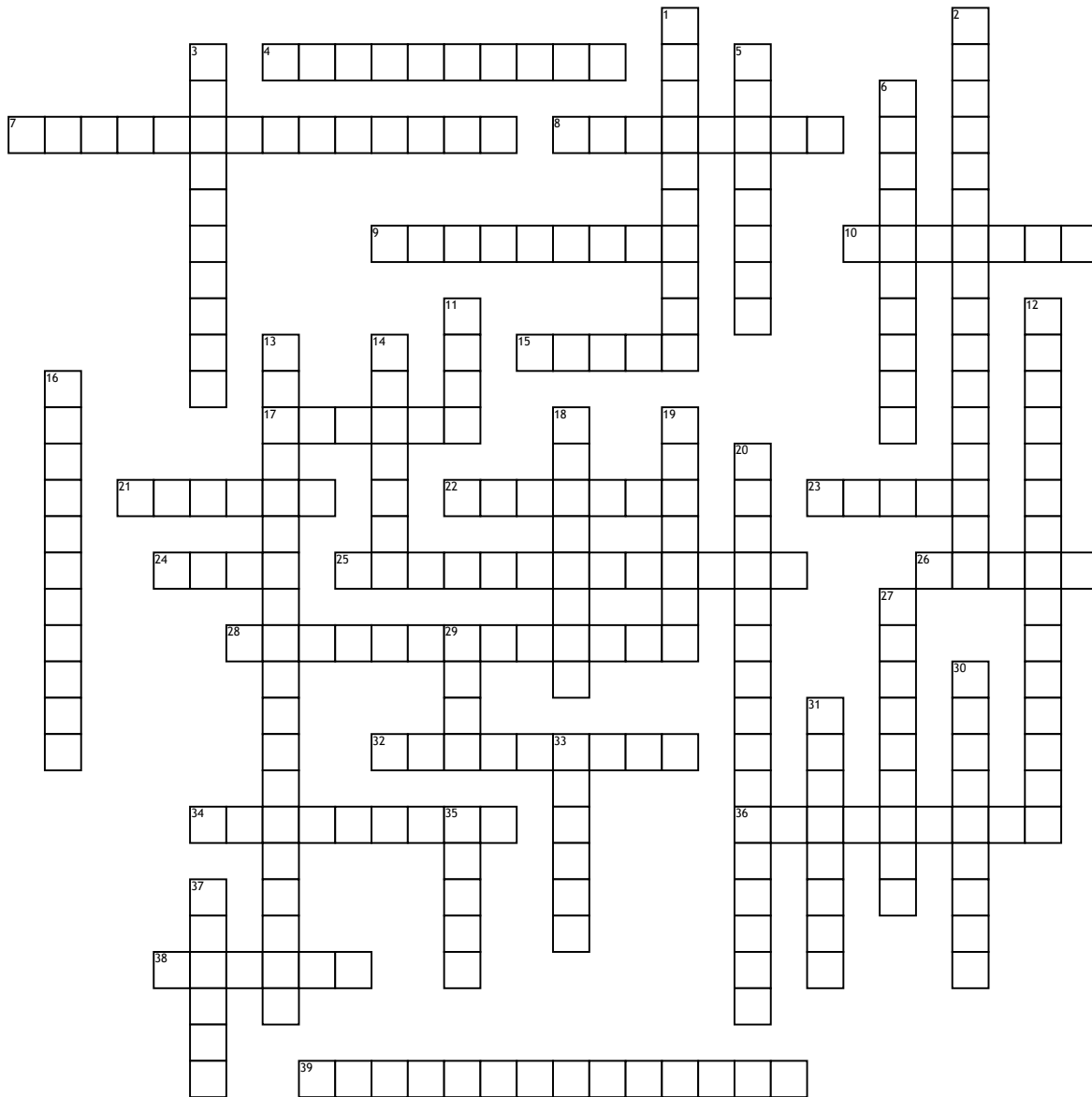


Name: _____ Date: _____ Period: _____

Waves Vocabulary



Across

4. a process in which people freely make up creative ideas
7. a wave that can only travel through a medium
8. looking for work that may already have been done
9. a quick back-and-forth movement
10. a unit used to measure the amplitude of sound
15. the highness or lowness of a sound, which depends on the frequency of its sound wave
17. how low a sound is, which depends on the amplitude of its sound wave
21. to take in or soak up
22. to bounce back
23. a disturbance that reduces the quality of a signal
24. a back-and-forth pattern of motion that transfers energy
25. energy of movement
26. the high point of a wave
28. the collection of closely spaced sound reflections off many surfaces

Down

13. the study of sound
34. a physical or digital model of a new design
36. the height of the peaks above the resting line in a wave
38. a substance or material
39. a wave in which the movement of the wave's medium is perpendicular to the movement of the wave traveling through the medium
1. the length of one wave; can be measured as the distance from the center of one peak to the center of the next peak
2. a person who creates designs to enhance the quality of sound within a space
3. a factor that limits what can be done
5. any factor that can be changed
6. the bouncing back of waves off an object
11. a point where a wave crosses its resting line
12. a wave in which the wave's medium is compressed in the same direction as the movement of the wave; also called a longitudinal wave

13. a mathematical relationship where if one variable increases, the other decreases
14. a high-energy ocean wave created from the movement of Earth's crust
16. a regular pattern of motion
18. speed
19. a repeating and recognizable feature
20. a wave in which the wave's medium moves in the same direction as the movement of the wave; also called a compression wave
27. a requirement that must be met
29. the reflection of a sound off a distant surface
30. a rate of something that repeats over and over
31. something you can observe about an object, material, or system
33. the low point of a wave
35. a short burst that travels as a wave
37. usable power that can be transferred or converted to different forms but cannot be created or destroyed