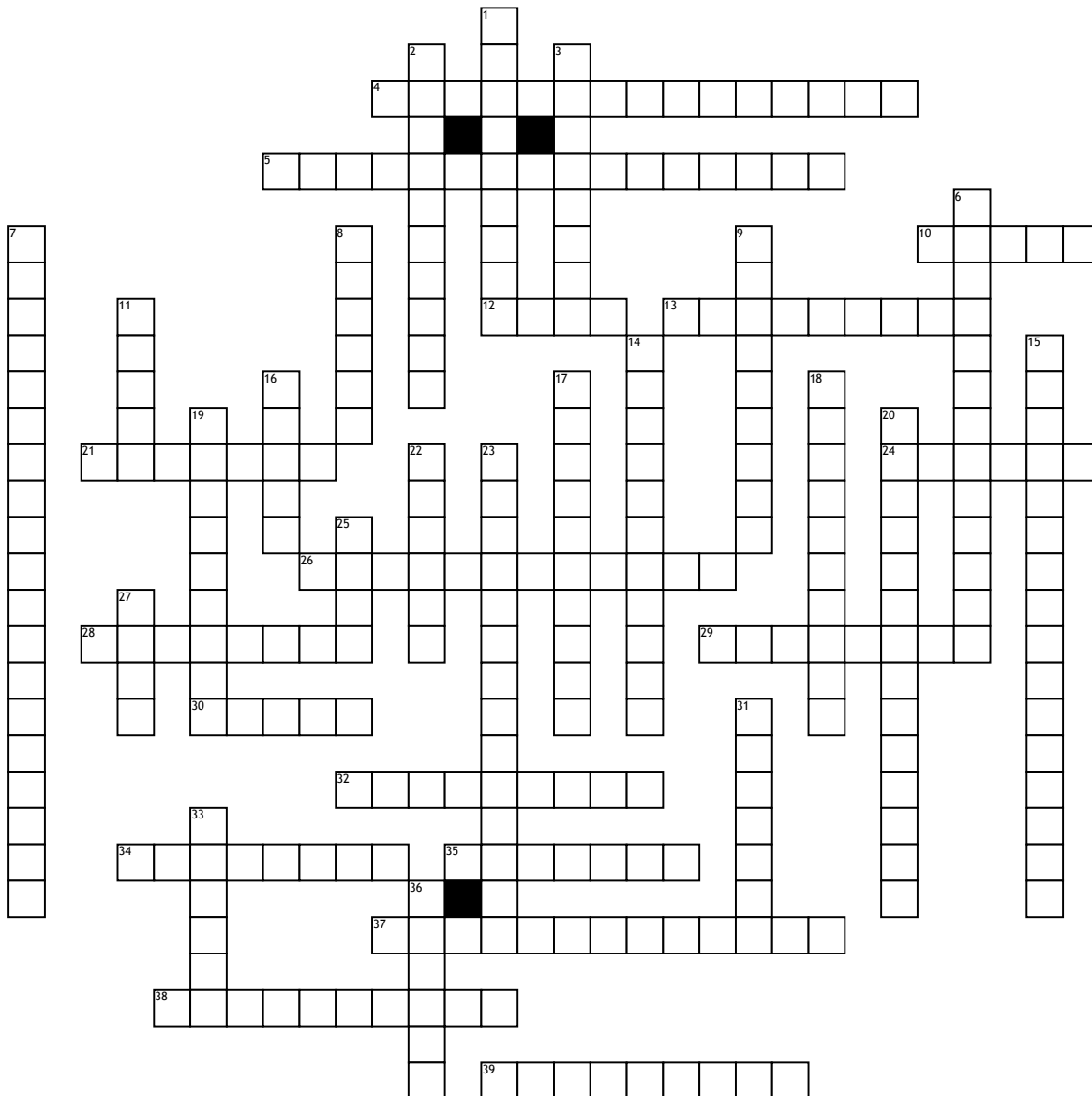


Waves Vocabulary



Across

4. 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
5. a person who creates designs to enhance the quality of sound within a space
10. the highness or lowness of sound, which depends on the frequency of it's sound wave
12. the reflection of a sound off a distant surface
13. a physical or digital model of a new design
21. a unit used to measure the amplitude of sound
24. usable power that can be transferred or converted to different forms but can not be created or destroyed
26. reflect
28. any factor that can be changed
29. speed
30. a disturbance that reduces the quality of a signal
32. a requirement that must be done
34. something you can observe about an object, material, or system.

35. a repeating and recognizable feature

37. the collection of closely spaced sound reflections off many surfaces

38. the bouncing back of waves off an object

39. a rate of something that repeats over and over

Down

1. the height of the peaks above the resting line in a wave

2. a factor that limits what can be done

3. looking for work that may already have been done

6. energy of movement

7. a mathematical relationship where if one variable increases, the other decreases

8. the low point of a wave

9. the study of sound

11. a short burst that travels as a wave

14. a regular pattern of motion

15. a wave in which the wave's medium moves in the same direction as the movement of the wave; also called a compression wave

16. the high point of a wave

17. the length of one wave; can be measured as the distance from the center of one peak to the center of the next

18. a process in which people freely make up creative ideas

19. a quick back-and-forth movement

20. a wave that can only travel through a medium

22. to take in or soak up

23. a wave in which the movement of the wave's medium is perpendicular to the movement of the wave travelling through the medium

25. a point where the wave crosses it's resting line

27. a back-and-forth pattern of motion that transfers energy

31. a high-energy ocean wave created from the movement of Earth's crust

33. how loud sound is, which depends on the amplitude of it's sound wave

36. a substance or material (solid, liquid, gas)