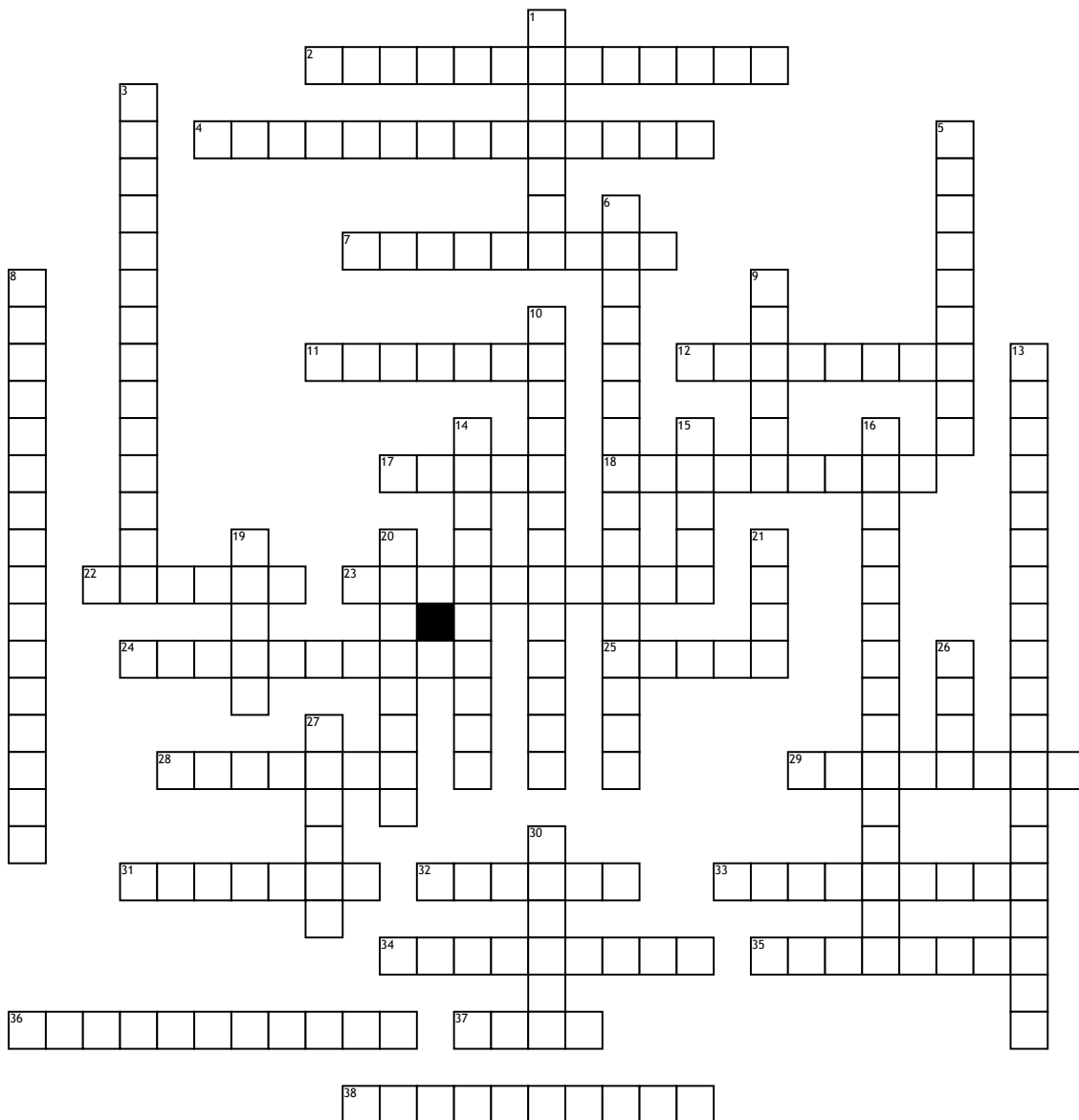


Waves



Across

- 2. the collection of closely spaced sound reflections off many surfaces
- 4. a wave that is only able to go through a medium (solid, liquid, or gas)
- 7. the study of sound
- 11. an ocean wave with high-energy created by movement in the Earth's crust
- 12. speed
- 17. the highest point on a wave
- 18. a requirement that has to be done
- 22. a substance or material (solid, liquid, or gas)
- 23. the length of one wave; can be measured as the distance from the center of one peak to the center of the next peak
- 24. a factor that puts a limit on what you are doing
- 25. a disturbance that makes the quality of a signal lower
- 28. a unit used to measure the amplitude of a noise or sound

- 29. something you can observe without the use of a material, system, or object
- 31. a repeating and recognizable feature
- 32. power that can be transferred or changed to different forms but cannot be broken or made
- 33. a quick back-and-forth movement
- 34. the rate of a repeating event
- 35. to look for work that could have already been done
- 36. a regular or repeating pattern of motion
- 37. the reflection of a sound on a surface
- 38. to come up with creative ideas freely

Down

- 1. to bounce back
- 3. a wave in which the movement of the medium is perpendicular to the movement of the wave going through the medium
- 5. a digital or physical model of a new design
- 6. a person who creates designs to make sound quality better in a space

- 8. a wave in which the medium moves the same way as the wave; also called a compression wave
- 9. how loud a sound is, which depends on the amplitude of its sound wave
- 10. the energy of movement
- 13. a relationship used in math where if one variable gets larger, the other gets smaller
- 14. when waves bounce off an object
- 15. how high or low a sound is, which depends on the frequency of its sound wave
- 16. a wave in which the medium is compressed in the same direction as the way the wave is moving; also called a longitudinal wave
- 19. a short burst that travels as a wave
- 20. any factor that can be changed
- 21. the point where the wave crosses the resting line
- 26. a back and forth motion that transfers energy
- 27. to take in or soak up
- 30. the lowest point of a wave