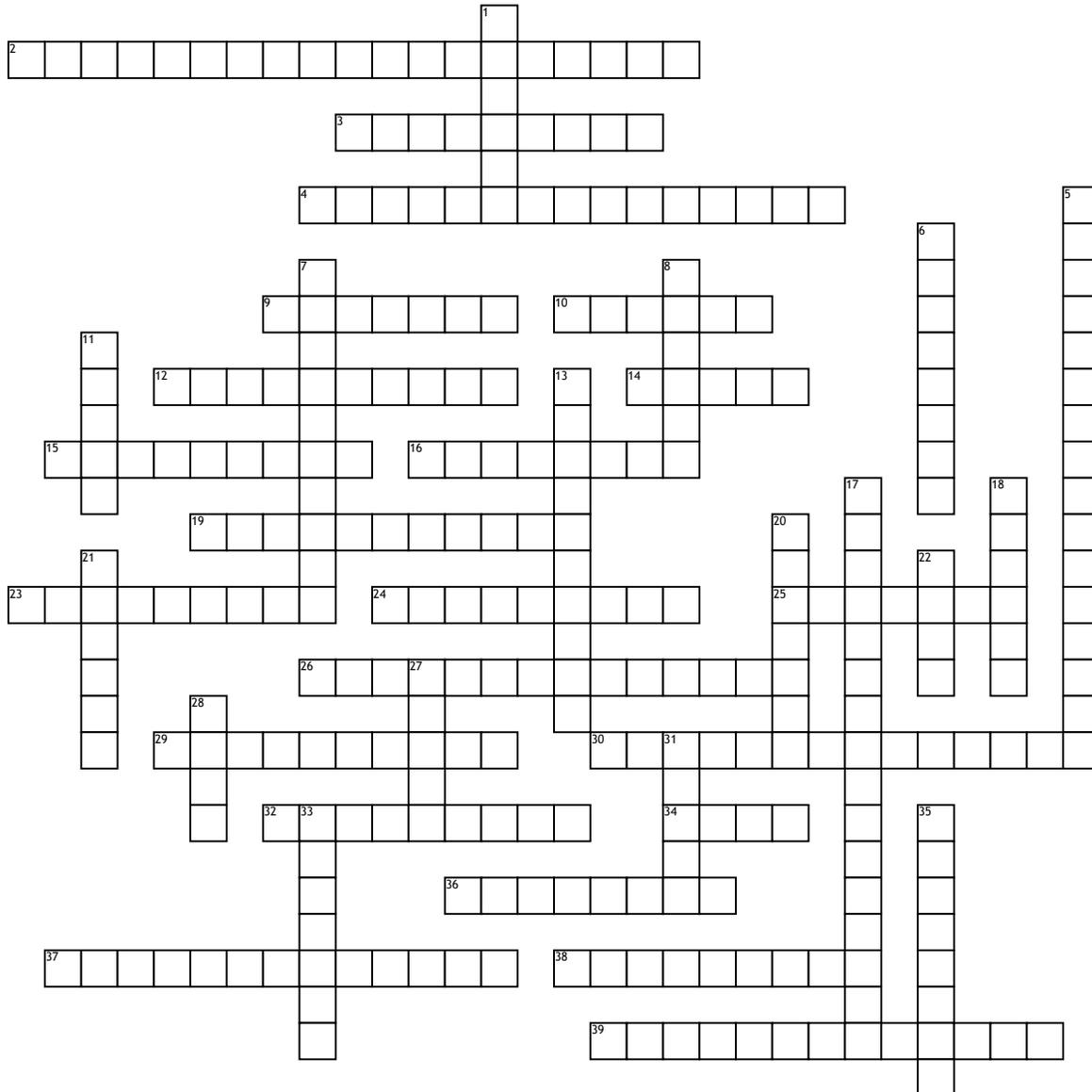


Wave Vocab



Across

2. a mathematical relationship where if one variable increases, the other decreases
 3. a rate of something that repeats over and over
 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
 9. a unit used to measure the amplitude of sound
 10. usable power that can be transferred or converted to different forms but cannot be created or destroyed
 12. the length of one wave; can be measured as the distance from the center of one peak to the center of the next peak
 14. a short burst that travels as a wave
 15. the study of sound
 16. looking for work that may already have been done
 19. a regular pattern of motion
 23. a quick back-and-forth movement
 24. a physical or digital model of a new design

25. a high-energy ocean wave created from the movement of the Earth's crust
 26. a wave in which the movement of the wave's medium is perpendicular to the movement of the wave traveling through the medium
 29. a factor that limits what can be done
 30. a wave that can only travel through a medium
 32. a requirement that must be met
 34. the reflection of a sound off a distant surface
 36. something you can observe about an object, material, or system
 37. energy of movement
 38. the height of the peaks above the resting line in a wave.
 39. the collection of closely spaced sound reflections off many surfaces

Down

1. how high and low a sound is, which depends on the amplitude of its sound wave
 5. a wave in which the wave's medium moves in the same direction as the movement of the wave; also called a compression wave

6. any factor that can be changed
 7. the bouncing back of waves off an object
 8. the low point of a wave
 11. the highness or lowness of a sound
 13. a process in which people freely make up creative ideas
 17. a person who creates designs to enhance the quality of sound within a space
 18. a substance or material
 20. a repeating and recognizable feature
 21. to take in or soak up
 22. a back-and-forth motion that transfers energy
 27. a disturbance that reduces the quality of a signal
 28. a point where a wave crosses the resting line
 31. the high point of a wave
 33. to bounce back
 35. speed