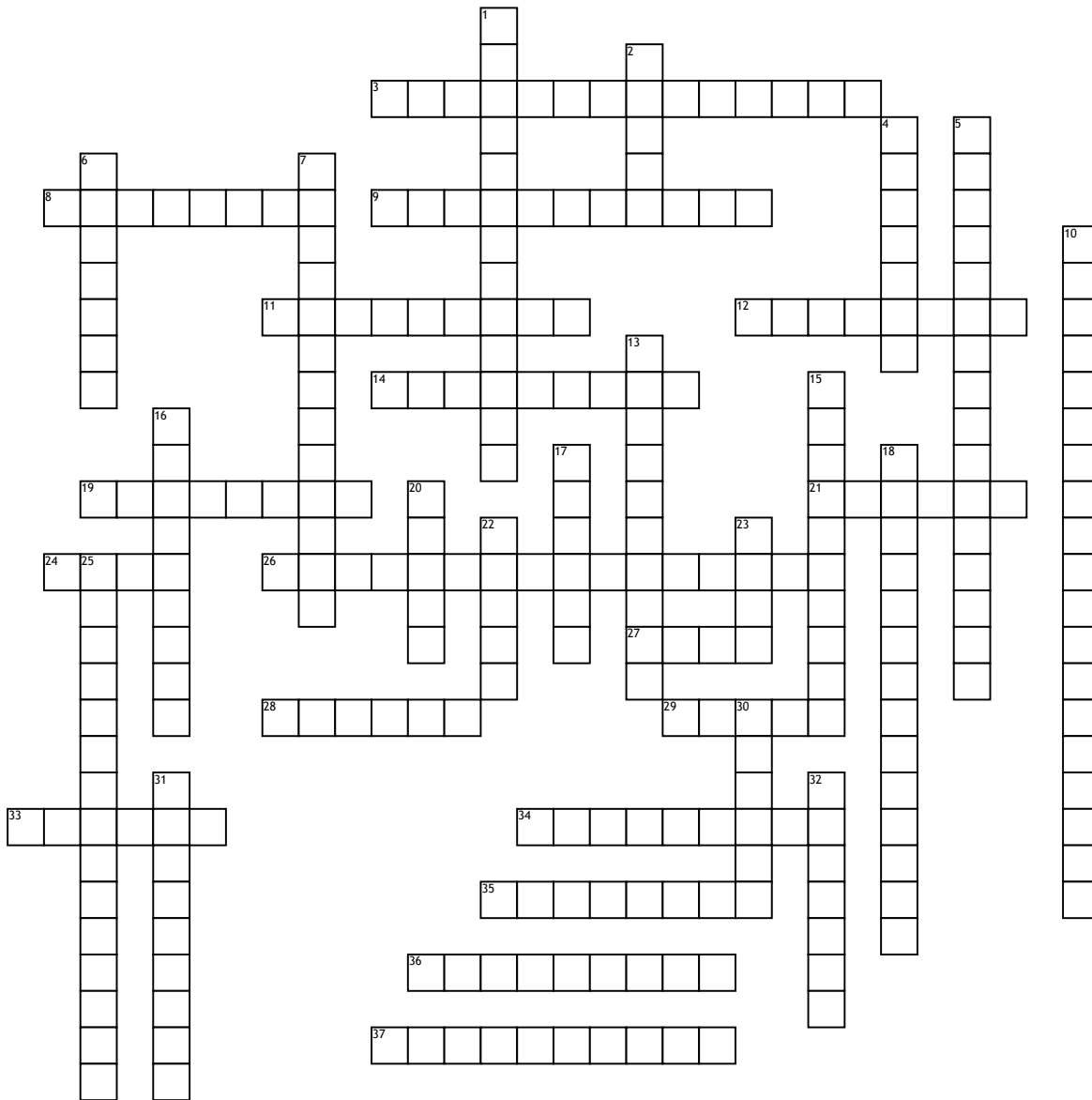


# Waves



## Across

3. a wave in which the movement of the waves medium is perpendicular to the movement of the wave traveling through the medium  
 8. any factor that can be changed  
 9. a regular pattern of motion  
 11. a rate of something that repeats over and over  
 12. speed  
 14. a quick back and forth movement  
 19. something you can observe about a object, material or system  
 21. usable power that can be transferred or converted to different forms but cannot be created or destroyed  
 24. the reflection of a sound off a distant surface  
 26. a wave in which the waves medium moves in the same direction as the movement of the wave  
 27. a point where a wave crosses its resting line  
 28. how loud sound is  
 29. the highness or lowness of sound

## Down

1. the energy of movement  
 2. the high point of a wave  
 4. to bounce back  
 5. a person who creates designs to enhance the quality of sound within a space  
 6. a repeating and recognizable feature  
 7. the collection of closely spaced sound reflections off many surfaces  
 10. a mathematical relationship where if one variable increases, the other decreases  
 13. a factor that limits what can be done  
 15. the length of one wave  
 16. a physical or digital model of a new design  
 17. a substance or material  
 18. a wave that can only travel through a medium  
 20. a disturbance that reduces the quality of a signal  
 22. a short burst that travels as a wave  
 23. a back and forth pattern of motion that transfers energy  
 25. a wave in which the waves medium is compressed in the same direction as the movement of the wave  
 30. the low point of a wave  
 31. a requirement that must be met  
 32. a unit used to measure the amplitude of sound