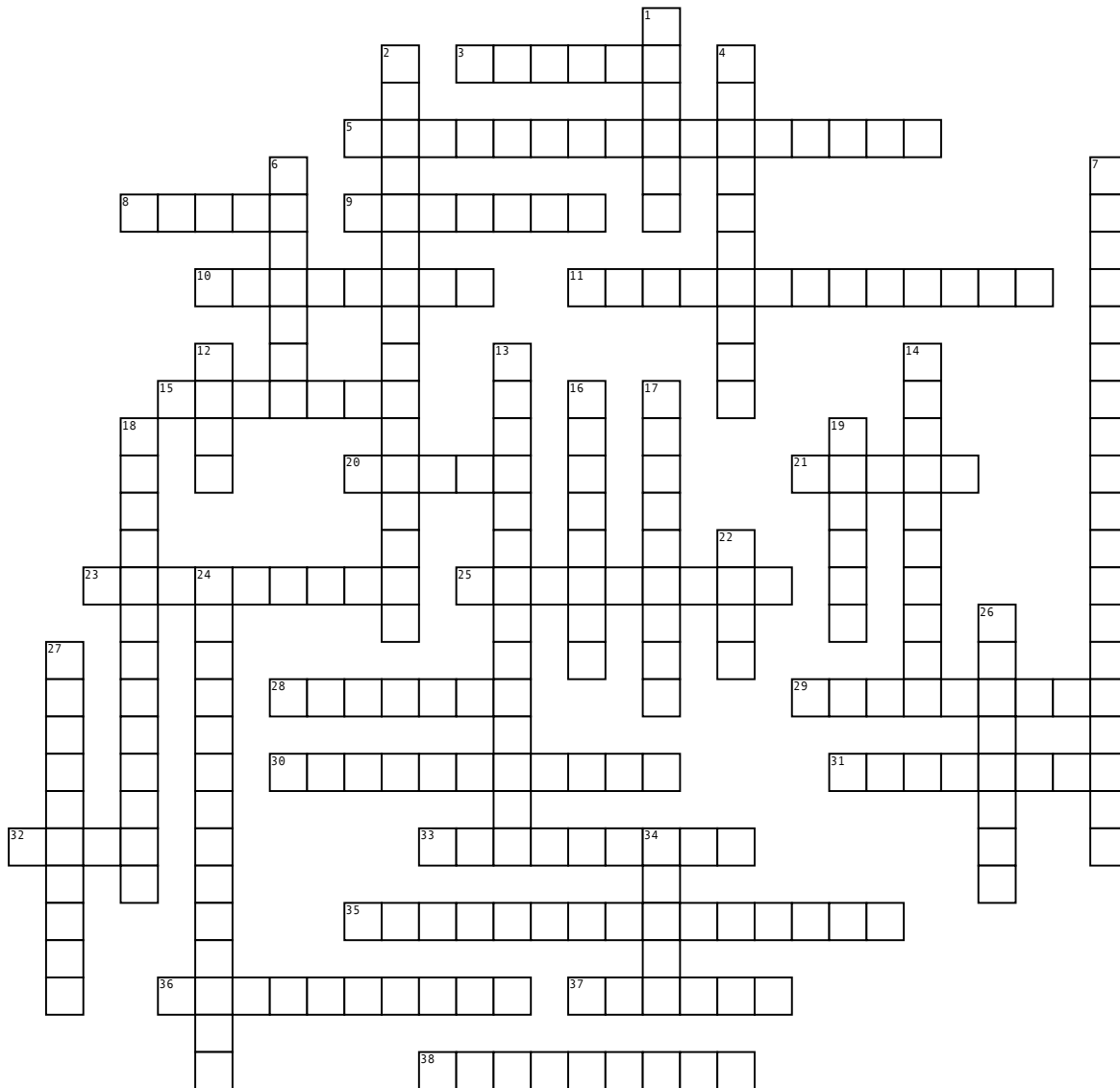


Name: _____ Date: _____ Period: _____

Waves



Across

3. how loud 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
 8. a short burst that travels as a wave
 9. a high-energy ocean wave created from the movement of Earth's crust
 10. speed
 11. energy of movement
 15. a repeating and recognizable feature
 20. the highness or lowness of sound, which depends on the frequency of its sound wave
 21. the high point of a wave
 23. a physical or digital model of a new design
 25. a quick back-and-forth movement
 28. a unit used to measure the amplitude of sound
 29. (plural: CRITERIA) a requirement that must be met
 30. a regular pattern of motion
 31. looking for work that may already have been done
 32. the reflection of a sound off a distant surface

33. a rate of something that repeats over and over

35. 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

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

37. usable power that can be transferred or converted to different forms but cannot be created or destroyed

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

Down

1. (plural: MEDIA) a substance or material (solid, liquid, or gas)

2. a person who creates designs to enhance the quality of sound within a space

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

6. to bounce back

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

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

13. a wave that can only travel through a medium (solid, liquid, or gas)

14. a factor that limits what can be done

16. something you can observe about an object, material, or system

17. the study of sound

18. the collection of closely spaced sound reflection off many surfaces

19. the low point of a wave

22. a point where a wave crosses its resting line

24. a wave in which the movement of the wave's medium is perpendicular to the movement of the wave traveling through the medium

26. any factor that can be changed

27. the bouncing back of waves off an object

34. a disturbance that reduces the quality of a signal