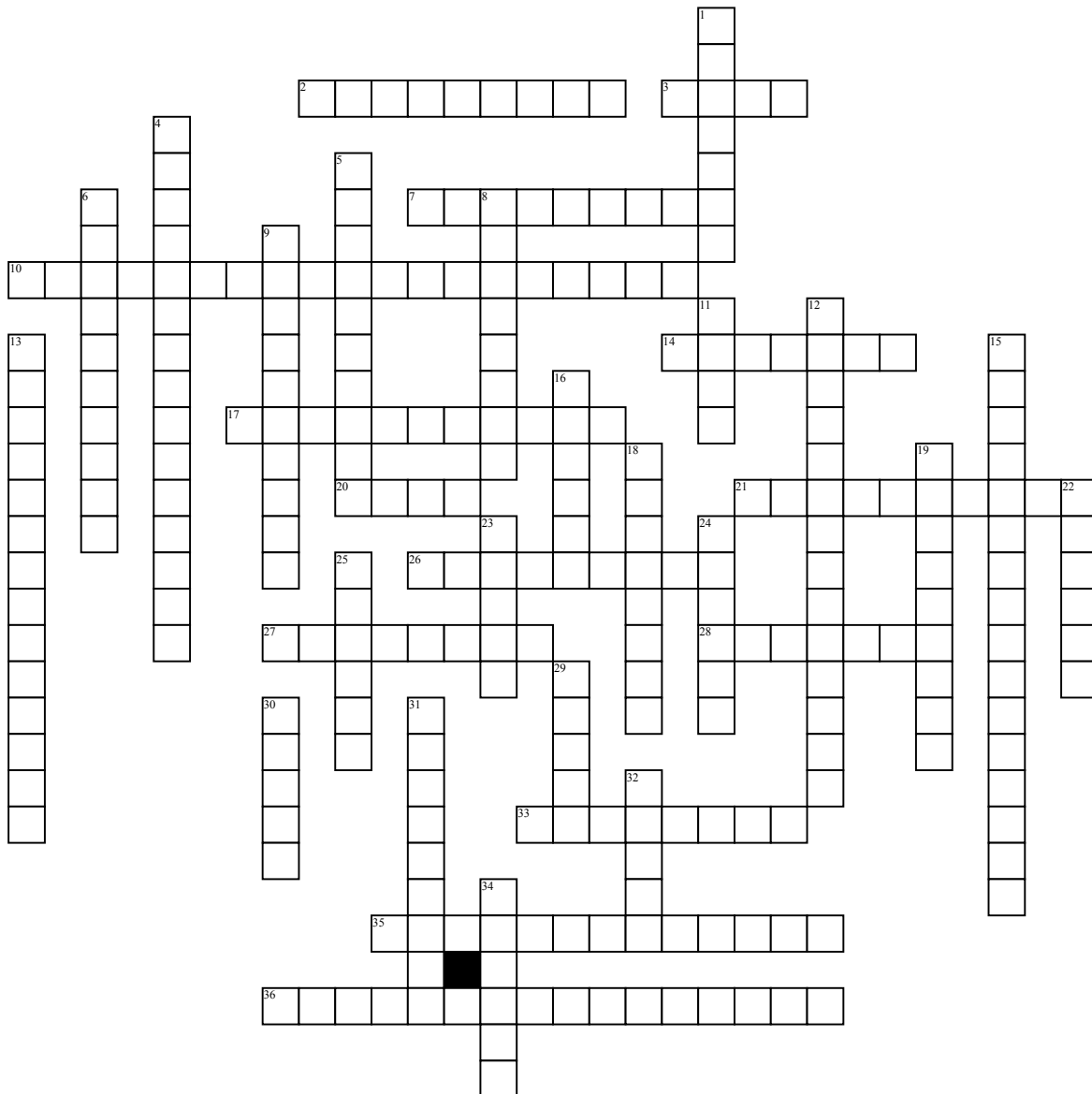


Waves



Across

- 2. A rate of something that repeats over and over.
- 3. The reflection of a sound off a distant surface
- 7. The height of the peaks above the resting line in a wave.
- 10. A mathematical relationship where if one variable increases, the other decreases
- 14. A repeating and recognizable feature.
- 17. A regular pattern of motion.
- 20. A point where a wave crosses its resting line.
- 21. A factor that limits what can be done.
- 26. A requirement that must be met. (plural: criteria)
- 27. Looking for work that may already have been done
- 28. To bounce back
- 33. Speed.
- 35. The energy of movement
- 36. A person who creates designs to enhance the quality of sound within space.

Down

- 1. A unit used to measure the amplitude of sound.
- 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. The bouncing back of waves off of an object.
- 6. The length of one wave; can be measured as the distance from the center of one peak to the center of the next.
- 8. Something that you can observe about an object, material, or system.
- 9. A process in which people freely make up creative ideas.
- 11. A back and forth pattern of motion that transfers energy
- 12. A wave that can only travel through a medium (solid, liquid, or gas)
- 13. A wave in which the movement of the wave's medium is perpendicular to the movement of the wave traveling through the medium.

- 15. A wave in which the waves medium moves in the same direction as the movement of the wave; also called a compression wave.
- 16. How loud a sound is, which depends pn the amplitude of its sound wave
- 18. Any factor that can be changed
- 19. A physical or digital model of a new design
- 22. The low point of a wave
- 23. The highness or lowness of a sound, which depends on the frequency of its sound wave.
- 24. Usable power that can be transformed or converted to different forms but cannot be created or destroyed
- 25. To take in or soak up.
- 29. A short burst that travels as a wave.
- 30. The high point of the wave.
- 31. The study if sound.
- 32. A disturbance that reduces the quality of a signal.
- 34. A substance or material (solid, liquid, or gas)