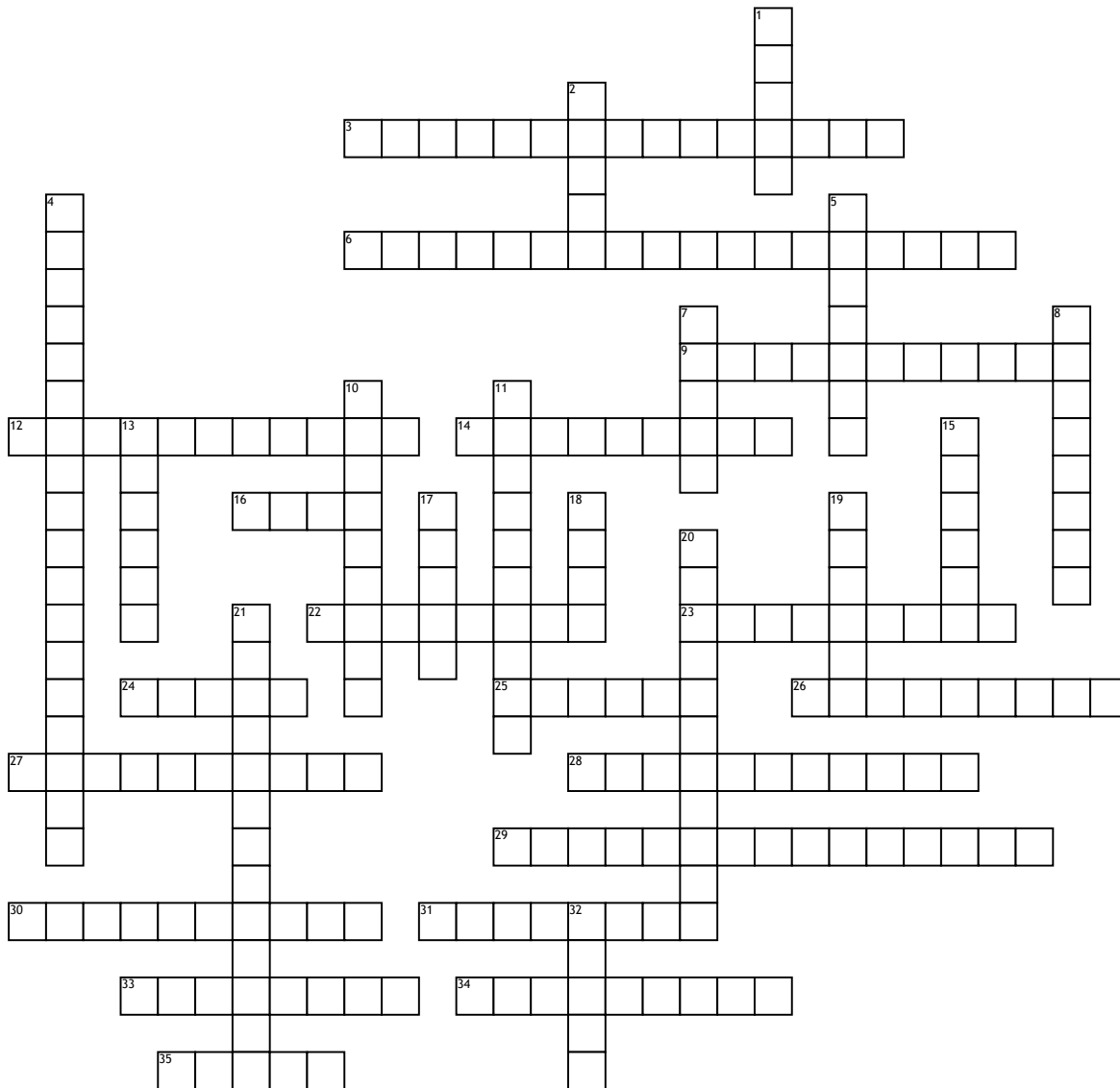


Physics Crossword Puzzle



Across

3. Effects of the sound wave upon biological tissue through which it passes
 6. Number of cycles times wavelength equals?
 9. The image produced by a linear switched transducer is _____ shaped.
 12. Also known as near zone
 14. The ability of the ultrasound system to create numerous frames each second
 16. Pulse duration is measured in units of?
 22. Measure of particle motion
 23. The A in A-mode stands for?
 24. _____ is determined by medium only.
 25. Pulse duration is determined by?
 26. How are PZT and frequency related?
 27. Far zone is also known as?
 28. The distance from the transducer to the focus

29. The ability to display two structures that are close together when these structures are parallel to the sound beam.

30. The percentage or fraction of time that the system transmits a pulse
 31. Frequency and period are _____ related
 33. Multi focus generally _____ lateral resolution
 34. Area where the sound beam is the most narrow
 35. Located where the sound beam is the narrowest.

Down

1. The rate at which energy transfers
 2. The number of picture elements per inch
 4. This transducers array looks like a bulls eye target
 5. As temporal resolution improves image quality may?
 7. Means a collection of active elements in a single transducer.

8. Concentrations of force in an area
 10. The concentration of energy in a sound beam
 11. The B in B-mode stands for?
 13. The image created by a mechanical transducer is _____ shaped.
 15. The time it takes from the start of one cycle to the start of another cycle
 17. Frame rate is measured in units of?
 18. _____ Enhancement makes the image clear.
 19. The M in M-mode stands for?
 20. Transducer with approximately 200 rectangular-shaped elements arranged in a line.
 21. Materials that convert sound into electricity and electricity into sound
 32. Never use a transducer with a _____ in the housing.