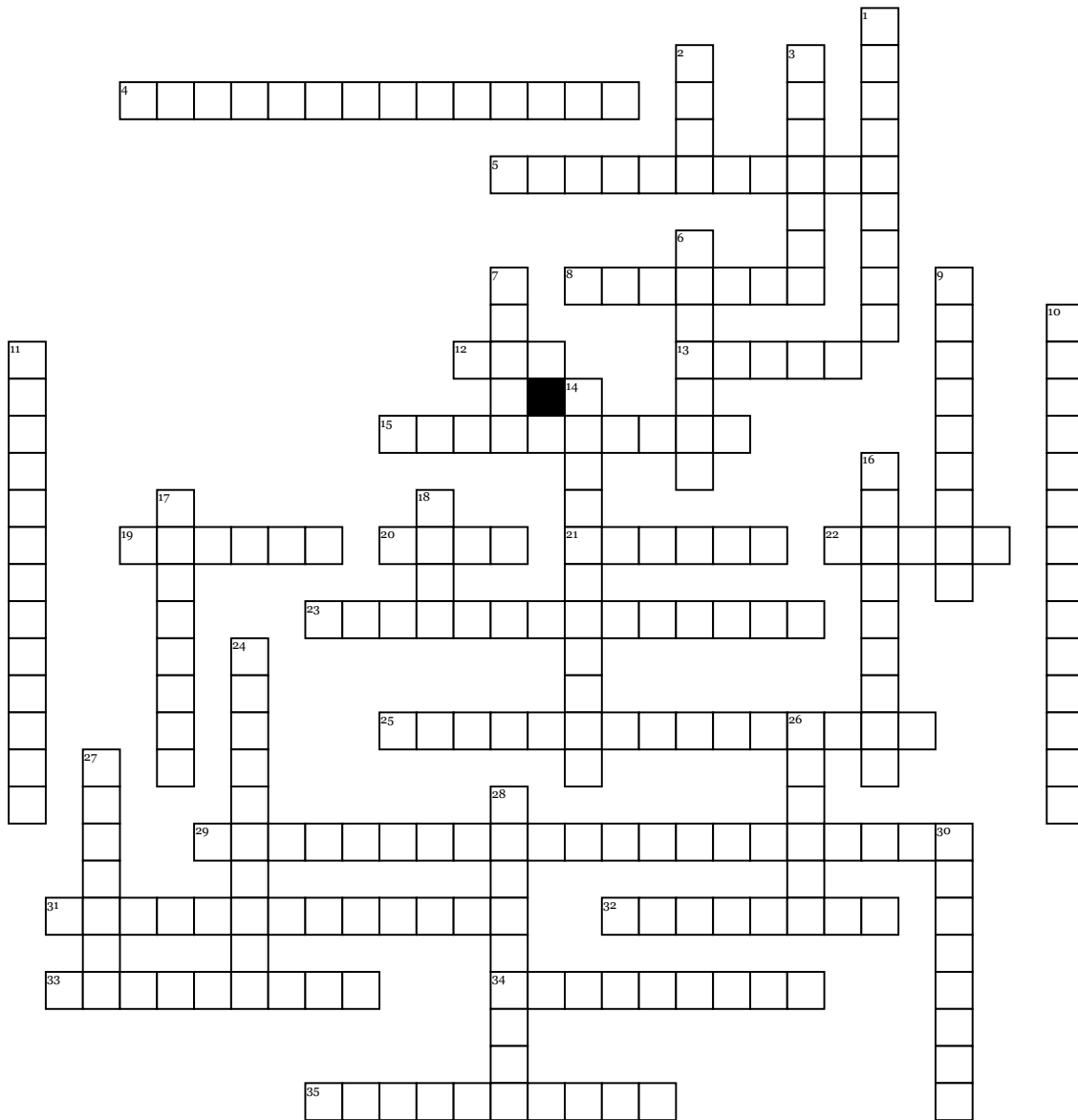


Physics Hertz



Across

- 4. The loss of piezoelectric properties
- 5. Decreases the range of amplitudes
- 8. Relation between PRP and PRF
- 12. Imaging transducers have a _____ sensitivity
- 13. Frequency times wavelength
- 15. Determined by source and medium
- 19. Time it takes to complete one cycle
- 20. When the depth of view is shallow, PRF is
- 21. Creates electrical signals
- 22. Frame rate is measured in
- 23. Multiple reflections that are equally spaced
- 25. Reduces ringing of the PZT
- 29. Imaging depth x 13 microseconds

- 31. Protects the active element and 1/4 wavelength thick

- 32. PRP and imaging depth are _____ related

- 33. Units of pulse repetition frequency

- 34. The "bigness" of a wave

- 35. Transforms electrical energy into acoustic energy during transmission

Down

- 1. Power divided by area

- 2. Provides electrical connection between PZT and the US system

- 3. Refraction occurs with which incidence

- 6. Impedance is the product of propagation speed and

- 7. Which display mode provides information regarding reflector motion

- 9. Range of frequencies in the pulse

- 10. Region that starts at the focus and extends deeper

- 11. Time it takes for an US system to create a pulse

- 14. Minimum value of duty factor

- 16. Law associated with refraction

- 17. Which resolution is determined by frame rate?

- 18. Period is measured in units of

- 24. Ability to distinguish two structures lying close together

- 26. Used to alter the appearance of lowly reflected objects

- 27. Archives ultrasound studies

- 28. If frequency is decreased, near zone length is?

- 30. The units of attenuation