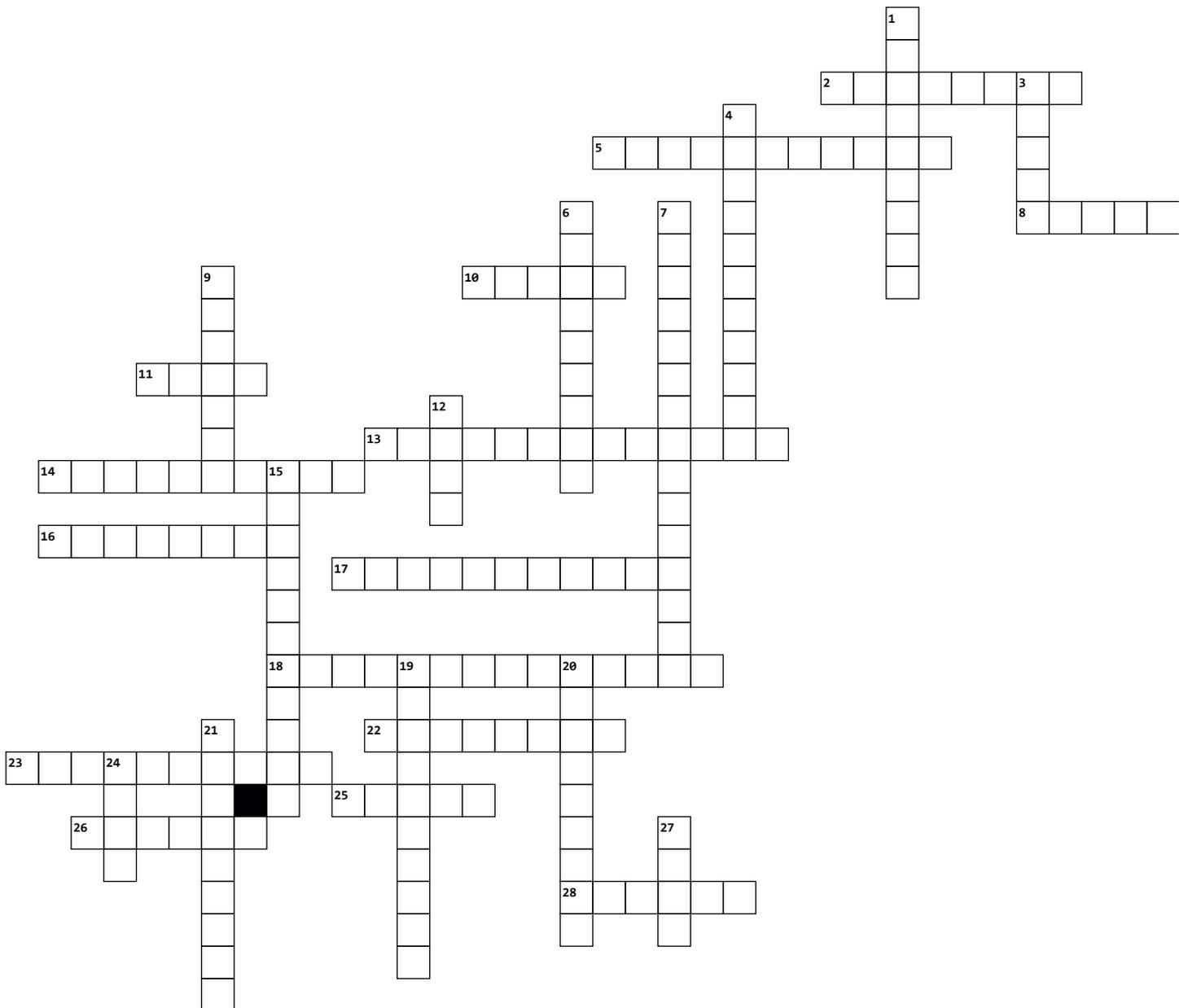


Digital Image Processing



Across

2. controlled by window width
5. process with kernel and image
8. type of compression where image detail lost
10. element of a digital image
11. low pass filtering kernel has all values greater than _____
13. no input from radiographer

Down

1. histogram sliding and stretching
3. size of kernel that enhances small structures
4. image postprocessing class that reduces image size
6. MRI image domain
7. multiple sub-images involved in processing

14. sum of kernel values at 0 will suppress _____

16. filter retains high frequency data

17. image postprocessing class that improves image quality

18. does not involve alteration of raw data

22. CT image domain

23. high density area on image has low _____

25. look-up table slope for high image contrast

26. a small matrix

28. size of window width that improves image contrast

9. used to transform image domains

12. non-functional pixel

15. filter decomposes image into high- and low-frequency components

19. profound effect on image final appearance

20. effect of low-pass filter

21. change negative (white bone) to positive (dark bone)

24. histogram plots _____ levels

27. image appearance when histogram values are concentrated at lower end