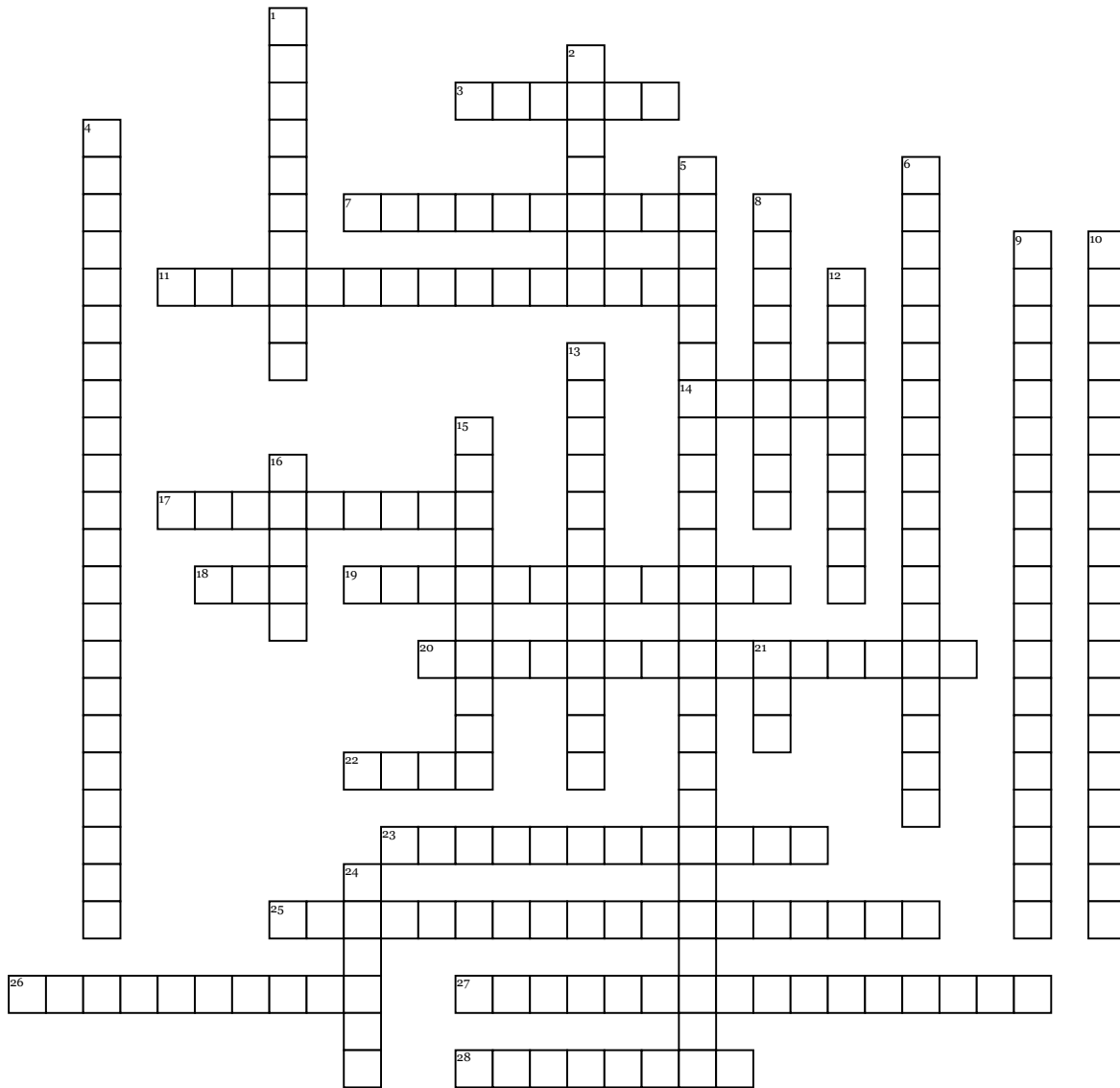


Name: _____

RAD 230 Digital Imaging Crossword



Across

- 3.** Layout of cells in rows and columns that make up the image on monitor
7. distance between center of pixel to center of adjacent pixel
11. Average pixel values to create a sharper image, but with more noise
14. When CR imaging plate is scanned, phosphors of the latent image release energy in the form of
17. averages pixel value to create an image with less noise, but is blurred
18. Ability of a phosphor in CR to perceive and interact with xray photons is
19. Removes artifacts caused by variation in pixel sensitivity

- 20.** In CT, the numerical value to a pixel is referred to as a
22. Computerized storage and transmission systems for digitized images of all types
23. Numerical range of densities the pixel can display from white to black
25. Silicon and selenium receptors are also known as
26. percent of the pixel that is sensitive to xray
27. Direct digital imaging converts xrays directly into an
28. Window width controls
Down
1. Window level controls
2. Element used for sensitivity center for CR
4. ADC stands for

- 5.** Latent image in image creation is created by energy transfer during
6. TFT stands for
8. A representation of imaged area broken down into pixels
9. Assigning a value to a dead pixel based on value of adjacent pixel
10. PMT stands for
12. Graphic representation of the image broken down into pixels
13. number of pixels/mm in the range
15. Latent image will lose about 25% of its energy in
16. Each pixel corresponds to a 3 dimensional volume of tissue called
21. Histogram of luminance values
24. Created by rows and columns of pixels