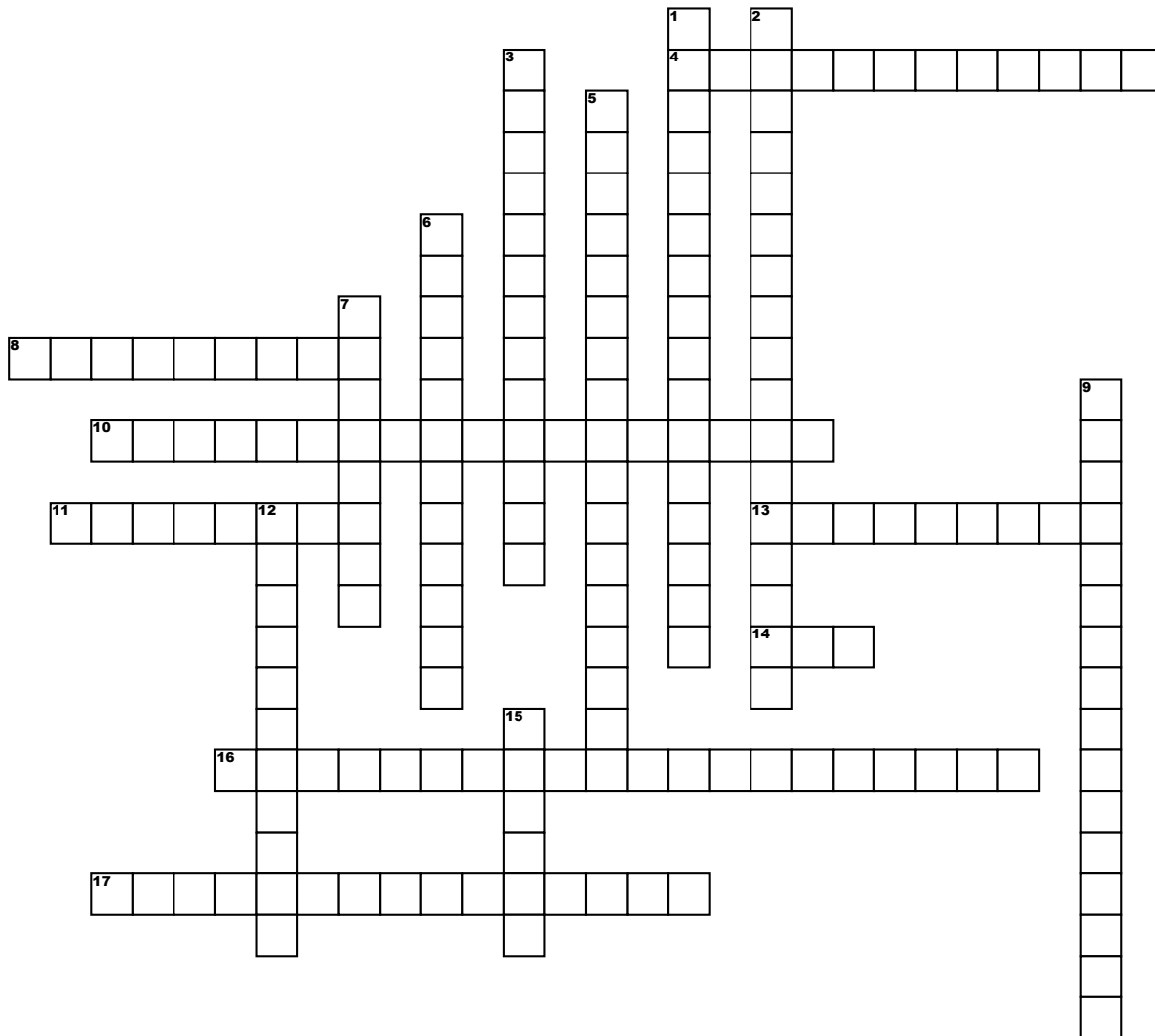


Chapter 4 and 5



Across

4. A thin sheet plastic where the radiograph is recorded on, in a PSP system.

8. Optical stage reader with scanning beam and photo multiplier.

10. consists of a group of pixels of about (100 to 200um) that helps read out the information in a flat-panel detector and converts this into a electrical charge

11. Light weight plastic that holds and protects PSP imaging plate.

13. the device that is responsible to do the readout, and sample the signal multiple of times

14. At low frequency with a controlled environment indirect has a better _____ than direct

16. detecting material that is powder like and its unstructured that is made from small crystals

17. X-ray absorbing material that results in an electrical charge, which occurs in AMFPI.

Down

1. Process of where a pixel is given an numeric value after the electrical signal is sampled

2. Name of the phosphor crystals that helps trap the electrons on the phosphor layer

3. The layer in the imaging plate that traps the electrons

5. the type of material used to make the photo conductor and the photo diode in direct systems

6. The type of scintillator that is much like fiber optics

7. Type of system where x-rays are made into light and than into a electrical signal

9. Placed inside the pixel, helps to temporarily store the electrical charge

12. Another name for slow scan direction in imaging plate movement within a PSP reader.

15. Absorbs the x-rays and makes them immediately into a electrical signal