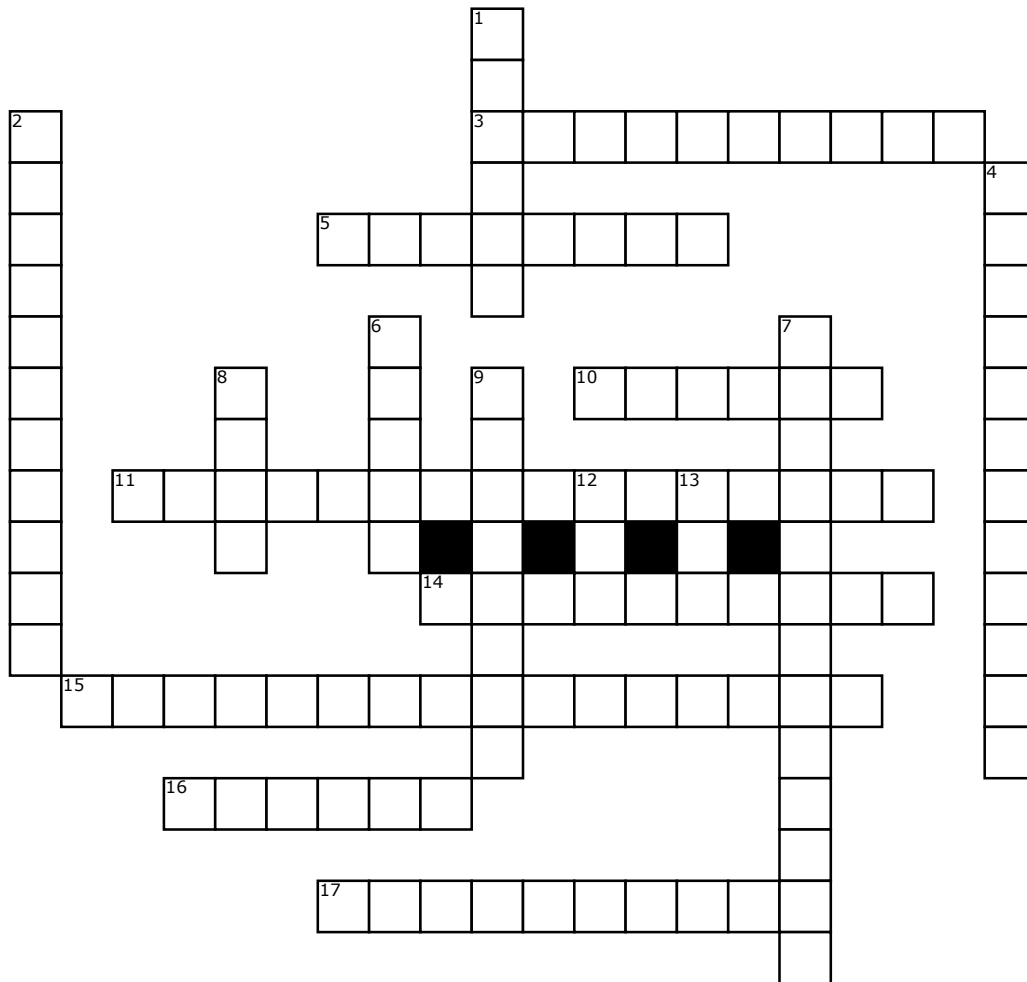


Computed Radiography



Across

3. Where is the emitted light from the IP directed when it is channeled into a funnel like fiber optic collection assembly?

5. This can occur if you do not erase your plate.

10. Before reuse, any residual metastable electrons are moved to the _____ state by an intense light

11. The principle source of noise on a radiographic image

14. Defined as the crystal's response to x-ray

15. Captures and stores radiographic image in reusable imaging plate

16. What type of images do both Film-Screen and CR produce?

17. An electron in an excited energy state beyond its normal orbital energy state

Down

1. The first step in the CR process

2. The largest difference between Film-Screen and CR IR plate

4. Occurs when an outer-shell electron is raised to an excited state and returns to its normal state with the emission of a light photon

6. CR should be performed at a lower or higher technique than film-screen radiography?

7. Prevents the laser light from penetrating through to the reflective layer while allowing the emitted light by the phosphor to pass through it

8. Which step does the laser beam cause the metastable electrons to return to ground state with the emission of a shorter wavelength light in the blue region of the visual spectrum?

9. Responsible for the storage property of PSL

12. A measure of the overall efficiency of a system

13. Sampling and quantization are the two processes of _____.

Word Bank

Image Acquisition

Latent

Photodiode

Metastable

Europium

DQE

Ghosting

Expose

Speed Class

Scatter Radiation

ADC

Lower

Ground

Active Layer

Luminescence

Read

Antihalo Layer