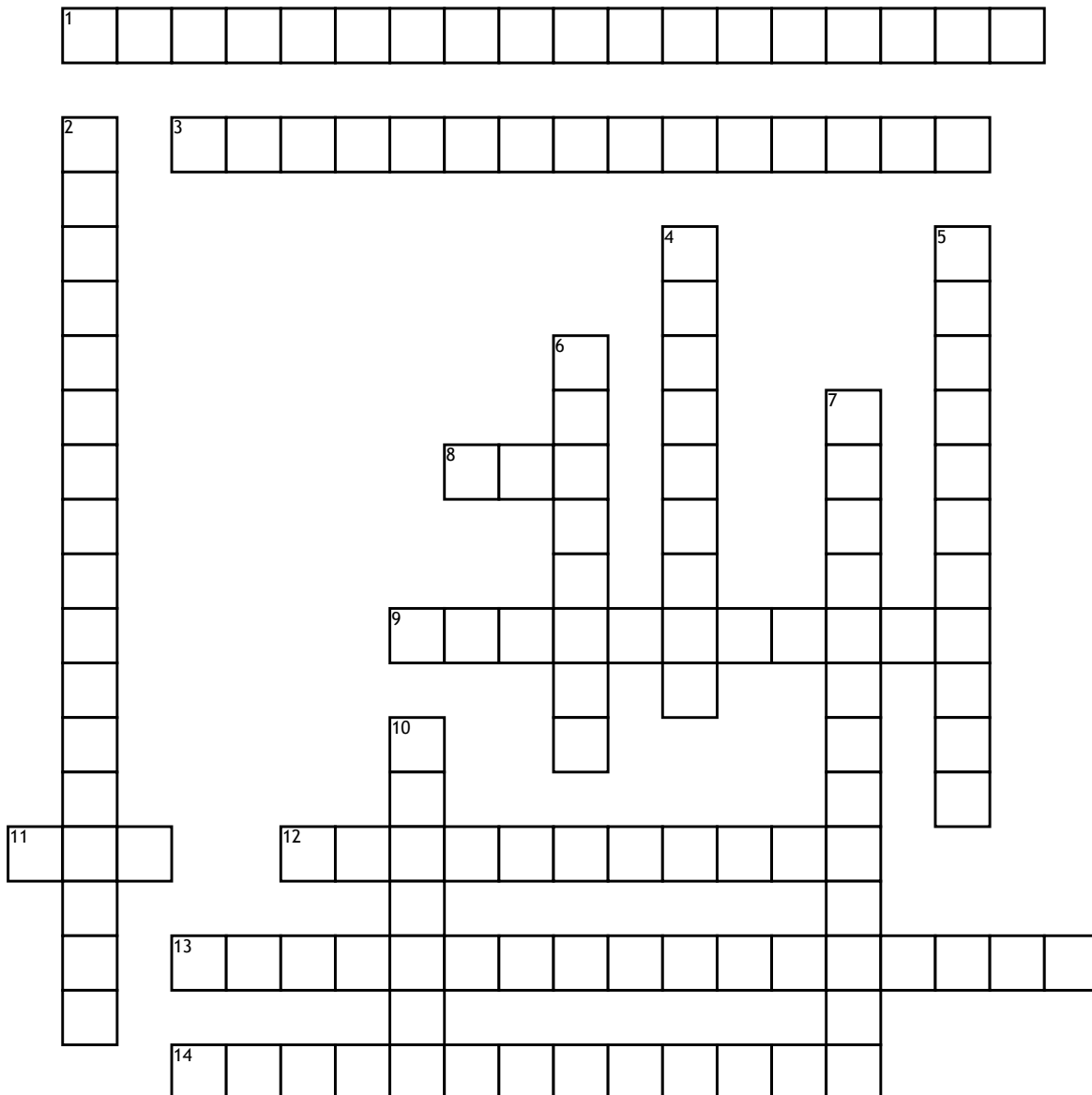


Tube and Exposure factors Who Am I?



Across

1. I am the reason why the effective focal spot is smaller than the actual focal spot (3 words)
3. I am the issue when more radiation occurs at one end of the image receptor than the other (3 words)
8. I surround the tube to help cool it
9. I protect people from leakage (and scatter) radiation (2 words)
11. Setting me determines the amount of radiation (number of x-ray photons) produced

12. Setting me determines the strength of the x-rays within the x-ray beam

13. I am radiation that was produced in the tube somewhere other than the focal spot (3 words)
14. I keep the vacuum in the tube (2 words)

Down

2. I am a numerical representation of the amount of radiation exposure at the image receptor (2 words)
4. I am a place where electrons get converted to heat or x-rays (2 words)

5. I help the electron beam to stay together as the electrons travel across the tube (2 words)

6. I am a good source of electrons for use in x-ray production
7. Setting me determines the amount of electrons that are available for conversion to x-rays (and heat) each time period
10. I allow the hot oil in the x-ray tube to expand if necessary so oil will not leak out of the housing (to protect the patient)