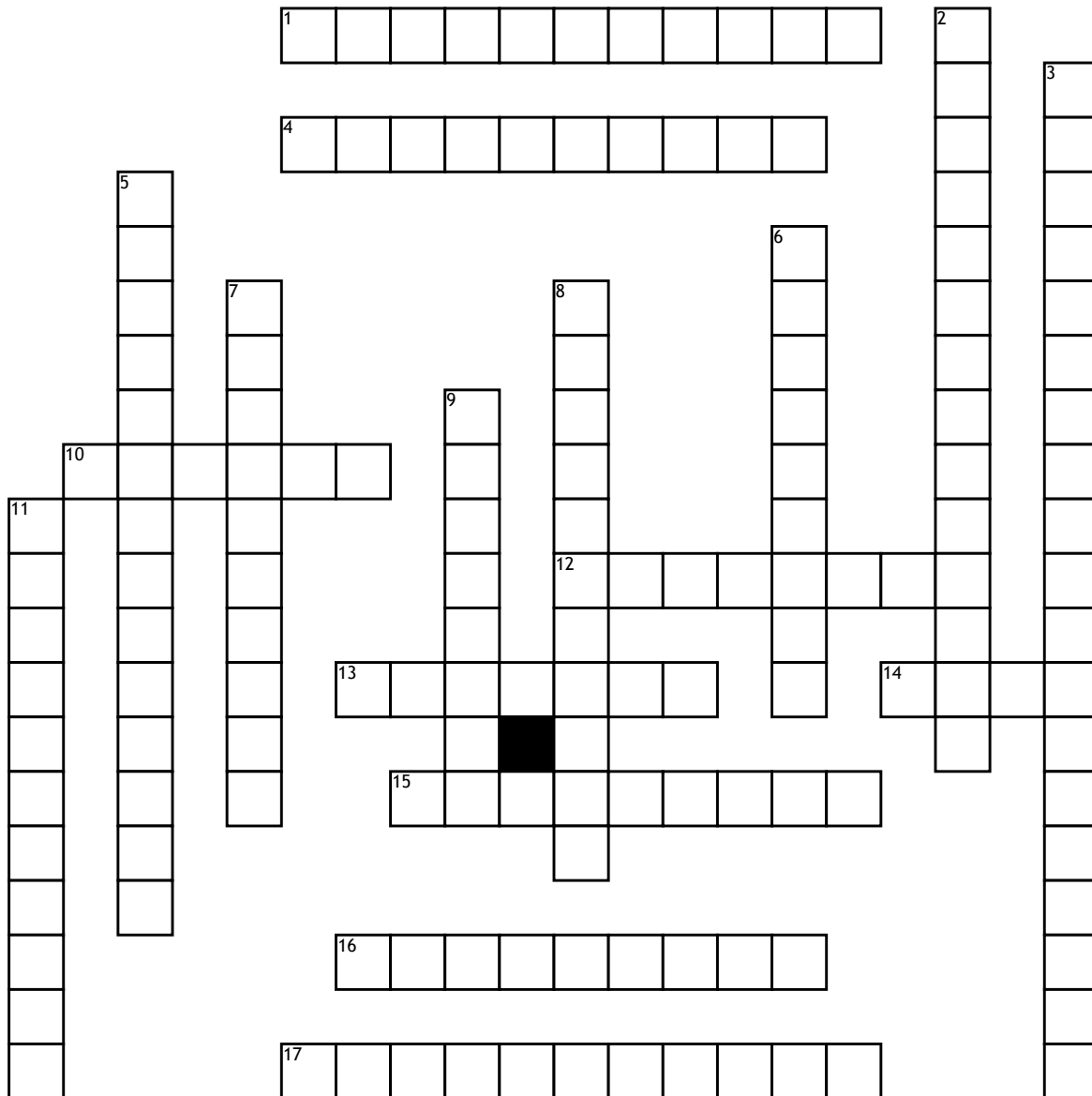


X-ray Interactions



Across

1. The product of absorption and scattering
4. X-rays that interact with the Nuclei
10. Contrast used during UGI
12. X-ray interactions with energy below approximately 10 keV
13. Straight out of...
14. _____ has an atomic number of 13.8
15. Probability of a Compton even is _____ proportional to the x-ray beam

16. Differential absorption _____ as the kVp is reduced

17. Produce the dark areas of a radiograph

Down

2. Which tissue x-ray interaction results in the production of annihilation radiation
3. The ejection of a nuclear fragment is part of which interaction
5. X-rays that interact with electrons

6. X-rays that interact with the whole atom

7. Anatomical structures with high x-ray absorption characteristics

8. X-rays scattered back in the direction of the incident x-ray beam

9. First name Bob, last name

11. Quantity of matter per unit volume