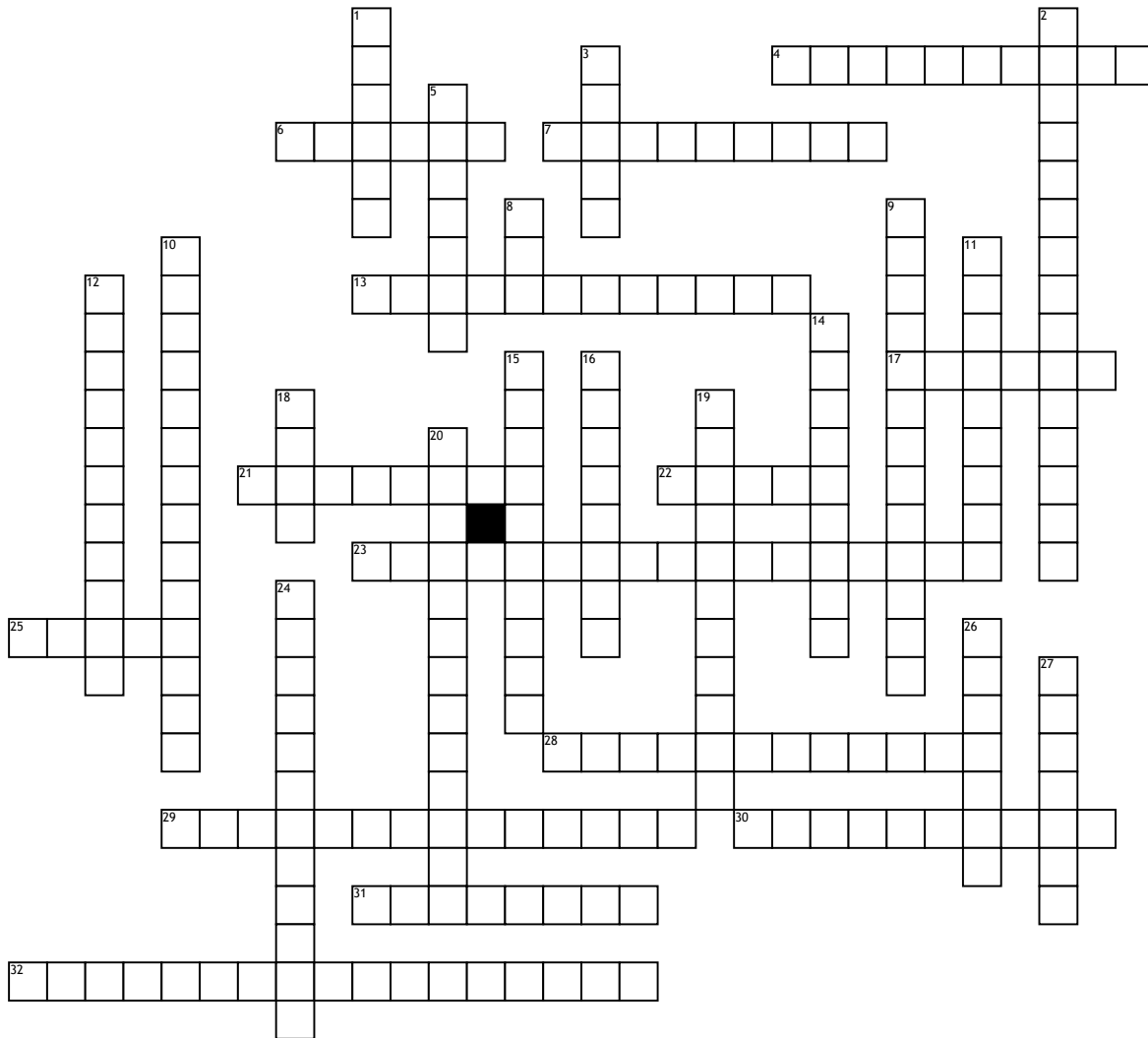


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chapter 38 and 39 Vocabulary Crossword Puzzle



## Across

4. process by which electrons are removed from atoms, causing the harmful effects of radiation in humans.

6. anything that occupies space and has form or shape

7. a device used to detect and measure an accumulated dosage of radiation

13. time between exposure to ionizing radiation and the appearance of symptoms

17. the ability to do work

21. difference in degrees of blackness on an image

22. radiation protection concept meaning, "As Low as Reasonably Achievable"

23. the process of recording images of the teeth and adjacent structures by exposure to x-radiation

25. film based or digitally produced recordings of anatomic structures

28. The portion of the x-ray unit that contains the master switch, indicator light, selection buttons, and the exposure button.

29. a filmless method of capturing an image and displaying it by using an image receptor, an electronic signal, and a computer to process and store the image.

30. change in the size of an image caused by incorrect vertical angulation

31. the blurred or indistinct area that surrounds an image

32. the amount of energy absorbed by tissues

## Down

1. a minute (tiny) bundle of pure energy that has no weight or mass

2. highest voltage of x-ray tube used during exposure

3. The positive electron in the x-ray tube

5. the overall darkness or blackness of an image

8. an electrically charged particle

9. a recording medium (or device) for an image, normally film, phosphor storage plate (PSP), or a digital sensor.

10. effect of radiation that are passed on to future generations through genetic cells

11. the total energy of the x-ray beam

12. the most penetrating beam produced at the target of the anode

14. device used to protect the reproductive and blood-forming tissues from scatter radiation

15. x-rays at the center of the beam.

16. a negatively charged particle in the atom

18. basic unit of matter

19. one one-thousandth (1/1000) of an ampere; a unit of measurement used to describe the intensity of an electrical current.

20. the proportional enlargement of an image

24. flexible arm that is attached to the x-ray tubehead

26. the mean energy or penetrating ability of the x-ray beam.

27. The negative electrode in the x-ray tube