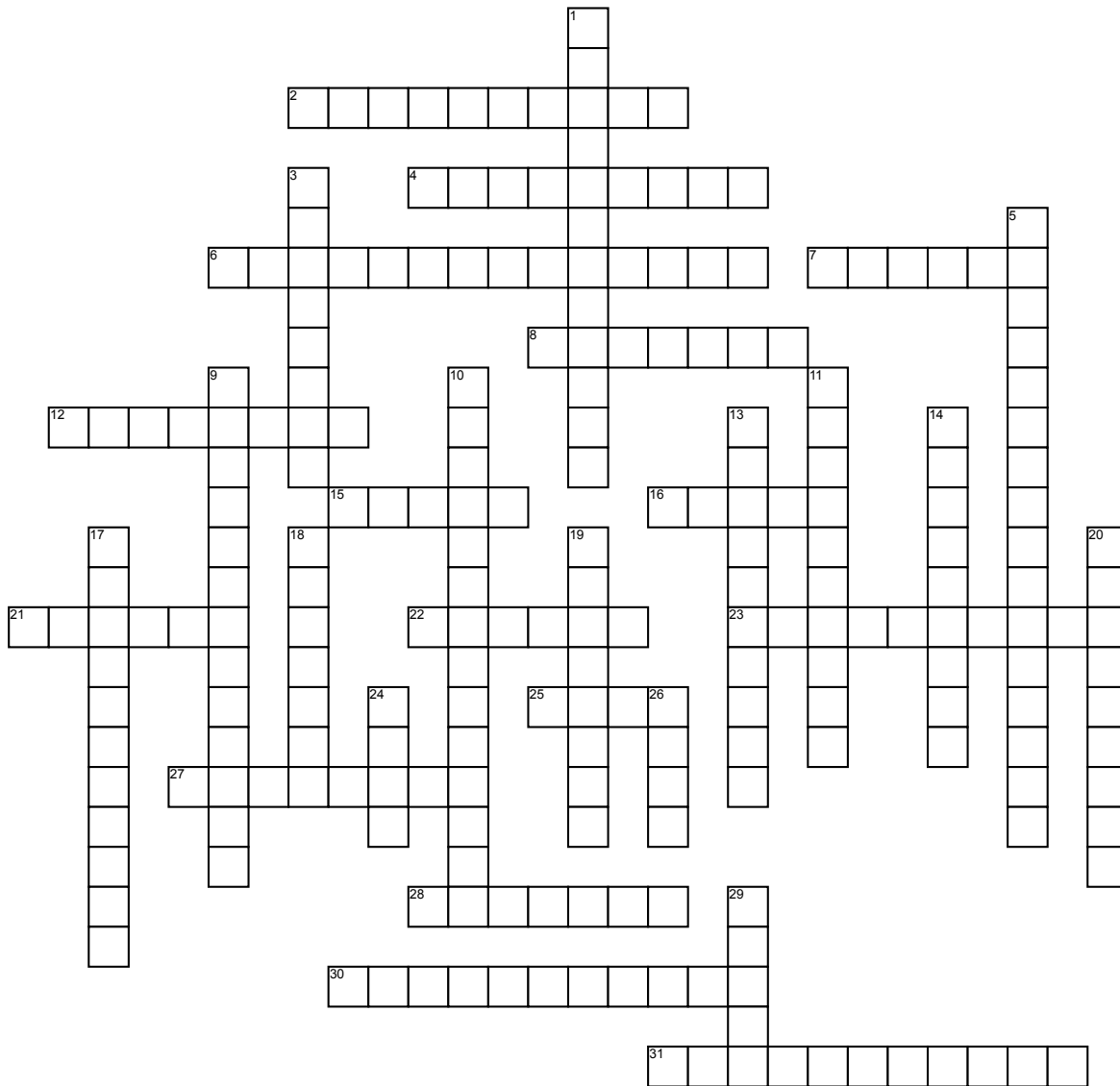


Name: _____

Date: _____

Urinary System 23



Across

2. cavity connected to the hilum
 4. takes blood out of the kidneys that has been processed by the nephrons.
 6. hollow muscular organ, reservoir for urine before it leaves the body
 7. resists change in the pH solution
 8. movement of water across a membrane
 12. medications administered to increase urine secretion
 15. excessive fluid in the body tissues
 16. area in the kidney where the renal artery, vein, nerve, and ureter exit/enter
 21. Bean shaped organ about the size of a clenched fist
 22. 6.022×10^{23} particles of a kilogram

23. water channels through which water passes by osmosis
 25. molecules are responsible for a substantial part of the high osmolality
 27. remove waste products from the blood when kidneys no longer function
 28. functional unit of the kidney
 30. extension of the renal cortex into the renal medulla
 31. takes blood into the kidney

Down

1. layer of fibrous connective tissue surrounding each kidney
 3. when the pH is below 7.35
 5. drains urine from the ureters into the bladder
 9. cone shaped, between the renal columns

10. enlarged end of the nephron around the glomerulus
 11. network of capillaries
 13. movement of fluid through partitions
 14. pH is above 7.45
 17. steroid secreted by the cortical cells of the adrenal glands
 18. acts as a diuretic even though it's not used as that clinically
 19. fluid that passes through filtration membrane
 20. specialized portion of the peritubular capillaries
 24. binds to hydrogen and removes it from a solution
 26. substances that release hydrogen into a solution
 29. enzyme secreted by the granular cells