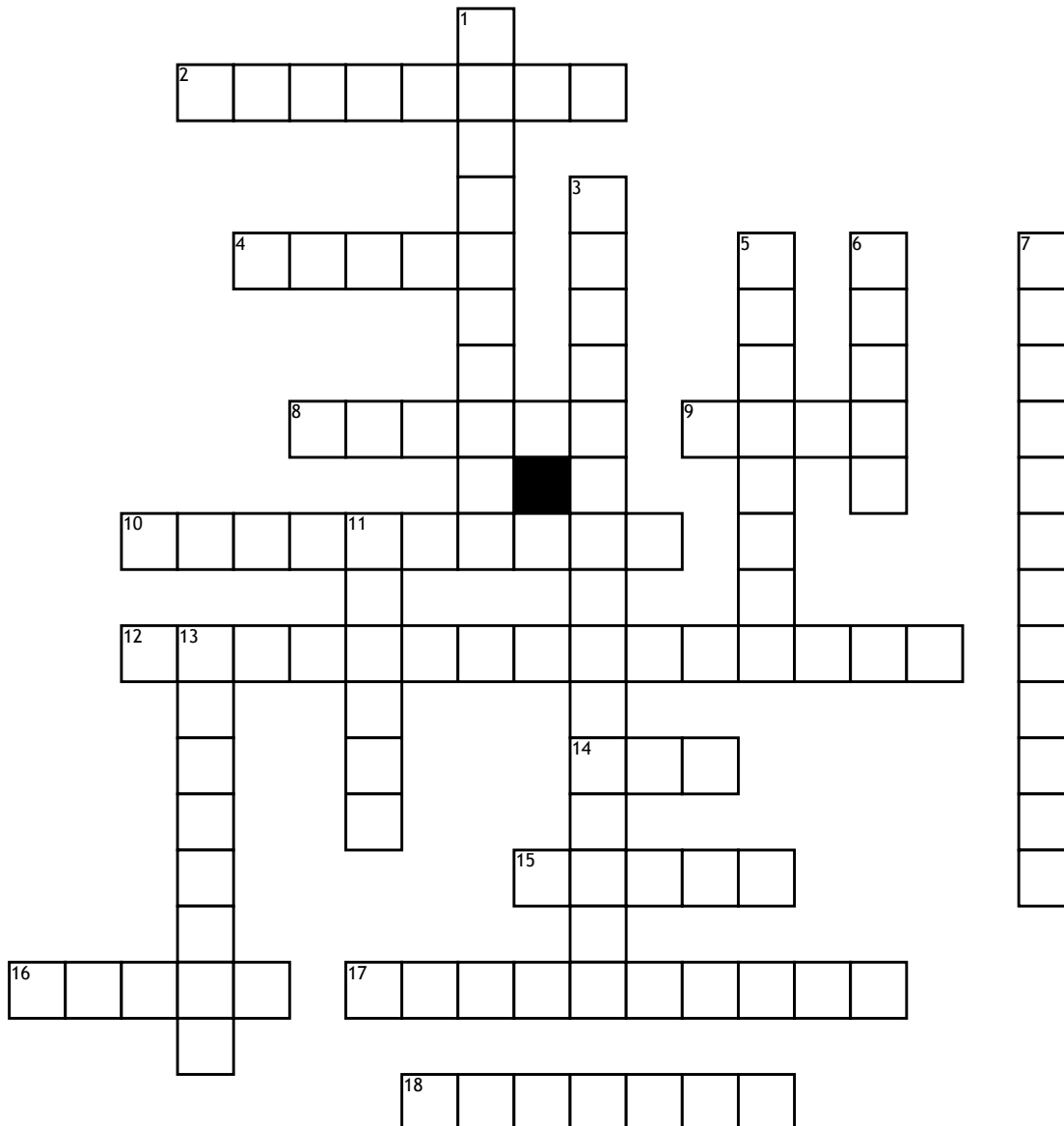


Urinary System



Across

- 2. The Glomerular basement membrane has a ___ charge.
- 4. Wherever sodium goes, ___ follows.
- 8. In reabsorption in the proximal tubule cell, _____ goes down its concentration gradient
- 9. A healthy urine is free of how many certain substances?
- 10. in the equation $GFR=(U_x * V)/P_x$, what does x represent?
- 12. Sunlight hits 7-dehydrocholesterol in our skin and turns to _____

- 14. In reabsorption in the distal tubule on the basolateral side, the sodium-calcium pump only works if ___ is present and binds to its receptor on the distal tubule.
- 15. When bicarbonate has been reabsorbed, free hydrogen goes back into the _____
- 16. Urine production consists of how many processes?
- 17. secretion occurs in the _____ duct
- 18. In vitamin D production, 25-dihydroxvitamin d3 goes to the _____ where enzyme (1 alpha hydroxylase) is activated by PTH and convert to 1 25-dihydroxvitamin d3.

Down

- 1. first process of urine production
- 3. Where does glomerular filtration occur?
- 5. The Fenestrated endothelium has a ___ charge.
- 6. specific gravity is a ratio of solute to _____ found in urine?
- 7. material being put back into the blood is called?
- 11. What percent of blood becomes filtrate after leaving the glomerulus?
- 13. in bicarbonate reabsorbtion, bicarbonate and ___ combine to make carbonic acid