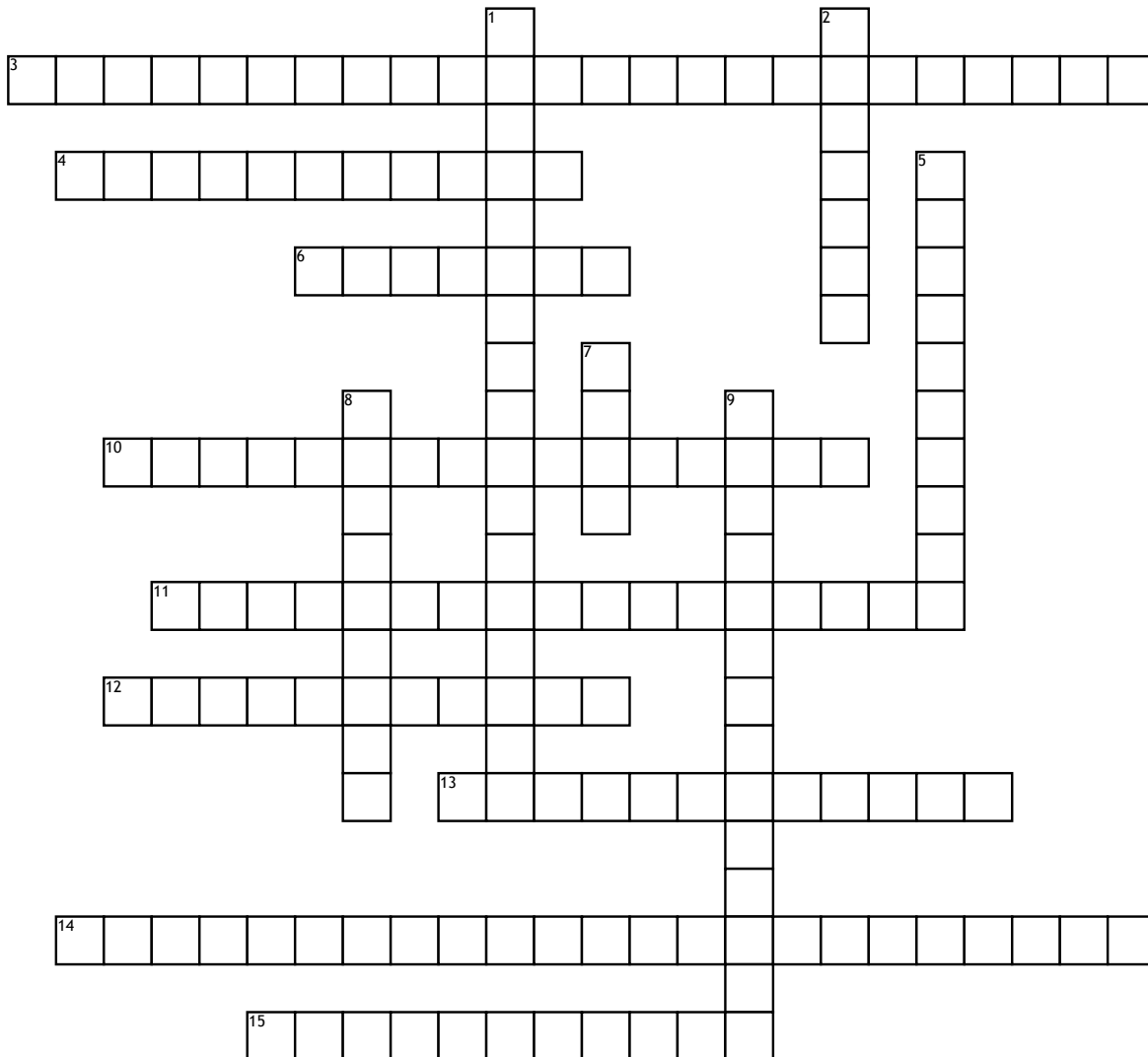


URINARY SYSTEM



Across

3. the amount of filtrate made by the kidneys per minute

4. the cortex of the kidney containing the glomeruli and the convoluted tubules

6. extract waste from blood, balance body fluids, form urine, and aid in other important functions of the body

10. the small artery that carries blood toward the capillaries of the glomerulus

11. striped, or striated, appearance of triangular pyramid of segments of the medulla

12. removal of a kidney

13. A smooth transparent membrane that adheres tightly to the external aspect of the kidney, outside layer; connective tissue keeping substances inside.

14. The highest point, tip in the nephron

15. the long hairpin turn, with a descending and ascending limb, of the renal tubule in the vertebrate kidney; functions in water and salt reabsorption

Down

1. first section of the renal tubule that the blood flows through; reabsorption of water, ions, and all organic nutrients

2. Filters your blood and urine daily

5. small network of capillaries encased in the upper end of a nephron; where the filtration of blood takes place

7. the largest component of urine; a nitrogenous waste product formed in the liver from the breakdown of amino acids

8. Function - drain oxygen-depleted blood from the kidneys

9. cup-shaped structure of the nephron of a kidney which encloses the glomerulus and which filtration takes place