Exam Review 6: Urinary System

1. What are the structures of the urinary system
2. The kidneys are \_\_\_\_\_\_\_\_\_\_\_-shaped and located between the peritoneum and back muscles in a space referred to as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. List the external structures of the kidney
4. List the internal structures of the kidney
5. The functional unit of the kidney is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. List the structures of the nephron in order.
7. List the functions of the urinary system.
8. Describe the process of urine formation.
9. What substances are reabsorbed?
10. What substances are secreted?
11. Explain how reabsorption and secretion are opposites.
12. What does ADH stand for? What does it do?
13. What is Aldosterone (what does it do)?
14. What is a diuretic? Give 5 examples of substances that have diuretic effects.
15. If more water is reabsorbed back into the body, what will happen to urine concentration (more or less concentrated)? Explain
16. What is the average daily urinary output in cc’s?
17. What constitutes a normal urinalysis?
    1. Physical characteristics
    2. Normal values
18. List the cause, signs and symptoms, and treatments for the following conditions.
    1. Cystitis
    2. Glomerulonephritis
    3. Renal Calculi/Nephrolithiasis
    4. Renal Failure
19. Compare peritoneal and hemodialysis.
20. What is the major complication of renal transplant?