

## Urinary System Study Guide

1. What structure of the urinary system has a primary function of transporting urine? From where to where?
2. What is the end product of kidney function?
3. What are the structures of the urinary system?
4. Which structure converts ammonia into urea?
5. What is the functional unit of the kidney?
6. What is the function of the urinary bladder?
7. What is the function of the ureter?
8. What is the function of the kidney?
9. What is the function of the liver?
10. What is the function of the urethra?
11. How does ADH assist the urinary system?
12. What are the more common substances found in urine? Where do they come from?
13. What is NEVER reabsorbed back into the blood by renal tubules?
14. Which tissue type in the urinary bladder allows for its expansion?
15. How does the muscular wall of the ureter aid in moving urine?
16. What is the micturition reflex?
17. How can the micturition reflex be voluntarily controlled?
18. Put the following steps in the filtration of blood in order from 1 to 7.  
\_\_\_\_ Water, glucose, amino acids, wastes, and other substances move from glomerular capillaries into a Bowman's capsule.  
\_\_\_\_ Under high pressure, blood flows into capillaries that make up the glomerulus.  
\_\_\_\_ After being stored in the bladder, urine exits the body via the urethra.  
\_\_\_\_ Fluid moves from the end of the nephron's tubule to the ureter.  
\_\_\_\_ Blood enters the nephron from a branch of the renal artery.  
\_\_\_\_ Water, glucose, amino acids, and ions are reabsorbed into the blood.
19. What substances does the kidney help regulate the levels of in the blood?
20. What are the nitrogenous wastes that your kidneys constantly remove from your bloodstream?
21. What is the ball of capillaries in the nephron called?
22. What is the cup-shaped structure that surrounds the glomerulus called? (this is where filtrate goes)
23. What are the 3 regions of the renal tubule beginning with the glomerulus and ending at the collecting duct?
24. What is a collecting duct?
25. What gland is on top of each kidney?
26. What is the outer region of the kidney called?
27. What is the inner region of the kidney called?
28. The basin where drainage of the calyces goes is called?
29. What are the triangular regions of tissue in the medulla?
30. What are the extensions of cortex-like material inward?
31. What are the cup-shaped structures that funnel urine towards the renal pelvis?
32. What are the 3 major functions of the urinary system?
33. What are the three steps of urine formation? Explain each.
34. How does your excretory system maintain homeostasis in your body?
35. If your kidneys don't function well, what procedure do you need to get done?
36. Be able to label a nephron.
37. Be able to label the parts of a kidney.
38. Be able to label the urinary system