Recap Chapter 18 Urinary System

1. Urinary system removes waste materials, maintain balance and balance.
2. Urine is formed in and is stored in.
3. carries urine from kidneys to bladder and carries urine to outside.
4. Each kidney has about 1 million of tubules called.
5. Each nephron has renal corpuscle formed of and.
6. Filtrate moves from → Bowman’s capsule → → loop of Henle → collecting duct and becomes urine.
7. Renal artery → A. → interlobular artery → tubule → glomerulus →
8. Collecting ducts → medullary → → calyx → calyx → pelvis →
9. are extensions of cortex into medulla and separate medullary pyramids from one another.
10. Urethra in females is than urthra in males.
11. Urine formation takes place by 3 processes, , , and.
12. Filtration takes place by . Useful substances like and pass out in filtrate,
also harmful substances like pass out in filtrate.
13. Kidney has to actively secrete some substances, like and , that do not filter out in filtrate.
14. 4 nitrogenous substances eliminated in urine are , , and.
15. Most of the reabsorption takes place in ; most of the secretion takes place in.
16. Glomerular capillaries are times more permeable than ordinary capillaries due to prescence of windows – fenestrae.
17. released by posterior pituitary causes the walls of DCT and Collecting ducts to become permeable so that lot of water is from urine.
18. Angiotensin-1 is released by ; kidneys release that activates angiotensin-1 to angiotensin -2 form.
19. Angiotensin-2 stimulates adrenal cortex to release hormone that causes greater reabsorption of Na+ followed by water.
20. is a small triangular area in urinary bladder having 2 openings of ureters and a 3rd for urethra.
21. Glucose can be completely absorbed by kidney up to mg/100mls of blood.
22. Elimination of blood in urine is and elimination of glucose in urine is.
23. The counter current systems of kidney are and.
24. The counter current systems of kidney help to maintain system in medulla.
25. Kidneys can excrete urine due to activity of counter current systems.