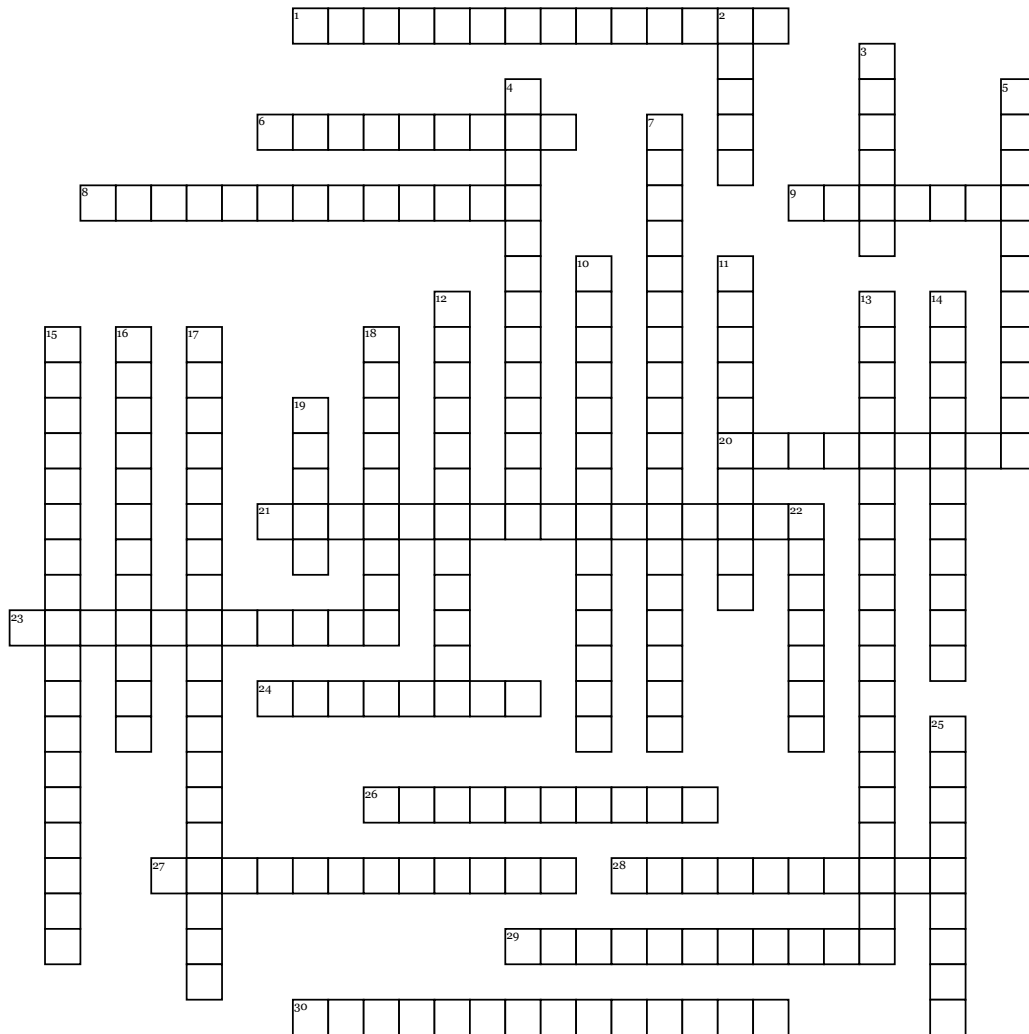


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chapter 23 Narrative



## Across

1. Hollow muscular container that lies in the pelvic cavity just posterior to the symphysis pubis  
 6. Visceral layer cells that form the inner wall of the capsule  
 8. Excess parathyroid hormone secretion and excess Vitamin D  
 9. The tube that exits the urinary bladder inferiorly and anteriorly  
 20. When the pH of body fluids is above 7.45  
 21. The addition of solutes across the walls of the nephron into the filtrate  
 23. Specialized epithelial cells of the distal convoluted tubule that monitor the flow of filtrate  
 24. When the pH value of the body is below 7.35  
 26. A ball of yarn or network of capillaries  
 27. Funnel-shaped chambers into which the renal papillae extend  
 28. Water channels through which water passes by osmosis

29. A protein produced by the liver is acted on by renin in the general circulation  
 30. Carries the fluid from the cortex, through the medulla

## Down

2. A fluid shift from the plasma to the interstitial fluid  
 3. The renal pelvis narrows into a small diameter tube called  
 4. Cone-shaped area between the renal columns  
 5. The major calyces converge to form an enlarged chamber called  
 7. Arise from the glomerular capillaries and carry blood away from the glomeruli  
 10. Enlarged end of the nephron surrounding the glomerulus  
 11. Movement of water and small solutes across the filtration membrane as a result of a pressure difference  
 12. This is used when a person is suffering from severe acute or chronic kidney failure  
 13. Removal of water and solutes from the filtrate back into the blood

14. A steroid hormone secreted by the cortical cells of the adrenal glands  
 15. Supply the glomerular capillaries inside the Bowman capsule  
 16. Extensions of the renal cortex into the renal medulla  
 17. Results from inflammation of the filtration membrane within the renal corpuscle  
 18. The presence of blood in the urine  
 19. The small area where the renal artery and nerves enter and , and the renal vein and ureter exit, the medial side of the kidney  
 22. The functional unit of the kidney  
 25. Pores of the endothelium of the glomerular capillaries

## Word Bank

Acidosis	Fenestrae	Podocytes	Afferent arterioles	Hypercalcemia
Hemodialysis	Angiotensin	Filtration	Nephron	Glomerulus
Bowmans capsule	Renal pyramids	Collecting duct	Edema	Hematuria
Macula densa	Aquaporins	Tubular secretion	Efferent arterioles	Hilum
Renal columns	Renal pelvis	Aldosterone	Tubular reabsorption	Glomerular nephritis
Urinary bladder	Alkalosis	Ureter	Minor calyces	Urethra