

CHAPTER

9

The Urinary System

LEARNING EXERCISES

Grade _____ Name _____

MATCHING WORD PARTS 1

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
9.1. bladder	_____	-cele
9.2. glomerulus	_____	cyst/o
9.3. hernia, tumor, cyst	_____	glomerul/o
9.4. kidney	_____	lith/o
9.5. stone, calculus	_____	nephro

MATCHING WORD PARTS 2

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
9.6. drooping down	_____	-lysis
9.7. setting free, separation	_____	-pexy
9.8. surgical fixation	_____	pyel/o
9.9. renal pelvis	_____	-ptosis
9.10. to crush	_____	-tripsy

MATCHING WORD PARTS 3

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
9.11. urination	_____	dia-
9.12. ureter	_____	ureter/o
9.13. urethra	_____	-ectasis
9.14. complete, through	_____	-uria
9.15. enlargement, stretching	_____	urethr/o

DEFINITIONS

Select the correct answer and write it on the line provided.

9.16. Urine is carried from the kidneys to the urinary bladder by the _____.

glomeruli

nephrons

urethras

ureters

9.17. The condition of having a stone in the urinary bladder is _____.

cholelithiasis

cystolithiasis

nephrolithiasis

ureterolithiasis

9.18. The increased excretion of urine is known as _____.

anuria

diuresis

dysuria

oliguria

9.19. Before entering the ureters, urine collects in the _____.

glomeruli renal cortex renal pelvis urinary bladder

9.20. The flow of urine from the bladder is controlled by the _____.

urethral meatus urinary meatus urinary sphincters urinary strictures

9.21. Urine gets its normal yellow-amber or straw color from the pigment known as _____.

albumin bilirubin hemoglobin urochrome

9.22. In the male, the _____ carries both urine and semen.

nephron renal pelvis ureter urethra

9.23. A specialist who treats the genitourinary system of males is a/an _____.

gynecologist nephrologist neurologist urologist

9.24. In _____, the urethral opening is on one side of the penis.

epispadias hypospadias hypospadias paraspadias

9.25. A/An _____ is a band of fibers that holds structures together abnormally.

adhesion distention stricture suppuration

MATCHING STRUCTURES

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
9.26. the portion of a nephron active in filtering urine	_____	glomerulus
9.27. carries urine from a kidney to the urinary bladder	_____	meatus
9.28. external opening of the urethra	_____	renal cortex
9.29. outer layer of the kidney	_____	ureter
9.30. tube from the bladder to the outside of the body	_____	urethra

WHICH WORD?

Select the correct answer and write it on the line provided.

9.31. A surgical incision into the renal pelvis is _____.

pyelotomy

pyeloplasty

9.32. The discharge of blood from the ureter is _____.

ureterorrhagia

urethrorrhagia

9.33. The term meaning excessive urination is _____.

incontinence

polyuria

9.34. The term meaning an inflammation of the bladder is _____.

cystitis

pyelitis

9.35. The major waste product of protein metabolism is _____.

urea

urine

SPELLING COUNTS

Find the misspelled word in each sentence. Then write that word, spelled correctly, on the line provided.

9.36. Urinoalysis is the examination of the physical and chemical properties of urine to determine the presence of abnormal elements. _____

9.37. Incontinance means being unable to control excretory functions. _____

9.38. Catherozation is the process used to withdraw urine from the bladder. _____

9.39. Cystorhagia is bleeding from the bladder. _____

9.40. Glomeronephritis is an inflammation of the kidney involving primarily the glomeruli.

MATCHING ABBREVIATIONS

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
9.41. nephrotic syndrome	_____	ESWL
9.42. hemodialysis	_____	CRF
9.43. extracorporeal shock-wave lithotripsy	_____	HD
9.44. intravenous pyelogram	_____	NS
9.45. chronic renal failure	_____	IVP

TERM SELECTION

Select the correct answer and write it on the line provided.

9.46. The term meaning the complete stopping of urine formation by the kidneys is _____.

anuria

nocturia

oliguria

polyuria

9.47. The term meaning suturing of the bladder is _____.

cystorrhaphy

cystorrhagia

cystorrhexis

nephorrhaphy

9.48. The term meaning the freeing of a kidney from adhesions is _____.

nephrolithiasis

nephrolysis

nephropyosis

pyelitis

9.49. The term meaning scanty urination is _____.

diuresis

dysuria

enuresis

oliguria

9.50. The process of artificially filtering waste products from the patient's blood is known as _____.

diuresis

hemodialysis

homeostasis

hydroureter

SENTENCE COMPLETION

Write the correct term on the line provided.

- 9.51. An incision of the urinary meatus to enlarge the opening is a/an _____.
- 9.52. A stone lodged in a ureter is a/an _____.
- 9.53. The surgical creation of a permanent opening of the urethra is a/an _____.
- 9.54. The surgical fixation of the bladder to the abdominal wall is a/an _____.
- 9.55. Urination is also known as voiding or _____.

TRUE/FALSE

If the statement is true, write **T** on the line. If the statement is false, write **F** on the line.

- 9.56. ____ The ureters are about 10 to 12 inches long.
- 9.57. ____ The urinary bladder is located in the posterior portion of the pelvic cavity.
- 9.58. ____ A glomerulus consists of a cluster of capillaries.
- 9.59. ____ The medulla is the outer layer of the kidney.
- 9.60. ____ Distention means enlarged.
- 9.61. ____ The male urethra is approximately 1.5 inches long.
- 9.62. ____ Urine is formed by the processes of filtration, reabsorption, and secretion.
- 9.63. ____ The female urethra conveys both urine and the menstrual flow.
- 9.64. ____ A cystolith is a hernia of the urinary bladder.
- 9.65. ____ Hydronephrosis is the dilation of the pelvis and calices of one or both kidneys resulting from obstruction to the flow of urine.

CLINICAL CONDITIONS

Write the correct answer on the line provided.

9.66. Mrs. Baldrige suffers from excessive urination during the night. The medical term for this is _____.

9.67. The surgery for Rosita LaPinta included surgical repair of the urethra. This procedure is called _____.

9.68. Doris Volk has a chronic bladder condition involving inflammation within the wall of the bladder. This is known as _____ cystitis.

9.69. John Danielson is being treated for abnormal narrowing of the ureter. This condition is known as _____.

9.70. Norman Smith was born with the opening of the urethra on the upper surface of the penis. This is called _____.

9.71. Ralph Clark's form of dialysis involves the removal of waste from his blood through a fluid exchange in the _____ cavity.

9.72. Roberta Gridley is scheduled for surgical repair of damage to the ureter. This procedure is a/an _____.

9.73. Letty Harding's physician ordered an IVP. The full name of this diagnostic x-ray study is an intravenous _____.

9.74. Mr. Morita was diagnosed as having an inflammation of the kidney. The medical term for this condition is _____.

9.75. Mrs. Franklin has a kidney stone. Rather than operate, the doctor used _____ to destroy the stone.

WHICH IS THE CORRECT MEDICAL TERM?

Select the correct answer and write it on the line provided.

9.76. The term that means a hernia of the bladder through the vaginal wall is _____.

cystocele

cystolith

cystopexy

vesicovaginal
fissure

9.77. The term meaning the inability to empty the bladder is _____.

incontinence

dysuria

enuresis

urinary retention

9.78. The term meaning the distention of the ureter with urine due to blockage from any cause is _____.

homeostasis

hydroureter

ureterolith

ureterostenosis

9.79. The term meaning pain in the urethra is _____.

cystodynia

nephralgia

urethralgia

ureteralgia

9.80. A specialist in diagnosing and treating diseases and disorders of the kidneys is a/an _____.

internist

nephrologist

proctologist

urologist

CHALLENGE WORD BUILDING

These terms are *not* found in this chapter; however, they are made up of the following familiar word parts. You may want to look in the textbook glossary or use a medical dictionary to check your answers.

cyst/o	-cele
nephr/o	-itis
pyel/o	-lysis
ureter/o	-malacia
urethr/o	-ostomy
	-otomy
	-plasty
	-ptosis
	-rrhexis
	-sclerosis

9.81. The creation of an artificial opening between the urinary bladder and the exterior of the body is a/an _____.

9.82. A surgical incision into the kidney is a/an _____.

9.83. The term meaning abnormal hardening of the kidney is _____.

9.84. The term meaning prolapse of the bladder into the urethra is _____.

9.85. A hernia in the urethral wall is a/an _____.

9.86. The procedure to separate adhesions around a ureter is _____.

9.87. The term meaning abnormal softening of the kidney is _____.

9.88. The term meaning an inflammation of the renal pelvis and kidney is _____.

9.89. The term meaning rupture of the bladder is _____.

9.90. The term meaning surgical repair of the bladder is _____.

LABELING EXERCISES

Identify the numbered items on the accompanying figure.

- | | |
|----------------------|-----------------------|
| 9.91. _____ gland | 9.96. abdominal _____ |
| 9.92. right _____ | 9.97. _____ |
| 9.93. inferior _____ | 9.98. urinary _____ |
| 9.94. renal _____ | 9.99. _____ |
| 9.95. renal _____ | 9.100. urethral _____ |

